INDEX

JOURNAL OF GENERAL CHEMISTRY

Volume 45, Numbers 1-12, 1975

JOURNAL OF GENERAL CHEMISTRY
Volume 45, Numbers 1-12, 1975
(A translation of Zhurnal Obshchei Khimii)

A

Abalonin, B. E. - 42, 763, 2145
Abiyurov, D. B. - 260
Abramov, V. N. - 2128
Abramova, O. I. - 840
Adamyants, K. S. - 899, 1347
Ageev, V. P. - 1878
Akat'eva, A. S. - 231
Akchurina, I. S. - 699
Akhrem, A. A. - 947, 1377, 2534
Akhumov, E. I. - 2560
Al'bitskaya, V. M. - 1612, 1624, 2084
Alekhina, T. F. - 1344
Aleksandrov, Yu. A. - 235, 236, 482, 578, 664, 2306, 2655
Alekseev, A. V. - 229
Alekseev, L. N. - 1887
Alekseev, V. N. - 2303
Alekseev, V. V. - 1452
Alekseev, Yu. E. - 1300
Alekseeva, I. A. - 840
Alekseeva, L. V. - 203
Alekseeva, S. G. - 230
Alenin, V. V. - 915, 1381
Aleskovskii, V. B. - 1, 218
Al'fonsov, V. A. - 240, 300, 921, 1606, 2293, 2366
Allakhverdiev, M. A. - 606
Al'mukhanova, K. - 1379
Alyamkin, Yu. N. - 851
Amarskii, E. G. - 881
Anan'eva, L. A. - 982
Andreev, F. I. - 2063
Andreev, G. F. - 229, 930, 1726, 2303, 2708
Andreev, N. A. - 720, 2054, 2302
Andreeva, M. A. - 188, 942, 1261
Andreeva, S. V. - 340
Andrianov, K. A. - 102, 340, 790, 795, 2167, 2171, 2176, 2401, 2614, 2619
Andrianova, I. P. - 485
Andronati, S. A. - 377, 384
Andronov, E. A. - 759
Andronova, N. A. - 232
Angelov, Kh. M. - 2299
Anishchenko, A. F. - 129
Anoshina, A. A. - 899
Anoshina, N. A. - 1670
Anoshina, N. P. - 507, 2088
Antonov, P. G. - 838
Antonova, T. G. - 1306, 1383
Antonovich, V. A. - 1183
Antropova, L. A. - 848
Apsitis, A. A. - 2036
Aptekhar', M. D. - 1542
Arbuzov, B. A. - 243, 285, 507, 1204, 1403
Aripov, A. - 1691
Arkad'eva, L. N. - 2310
Aronova, L. A. - 2068
Aronovich, P. M. - 49
Arsh, G. Sh. - 1354
Arshinova, R. P. - 1403
Artamonova, T. S. - 2700
Asatiani, L. P. - 567, 1617
Ashkinazi, L. A. - 226
Askerov, O. V. - 2068
Aslanov, I. A. - 1986
Astakhov, A. I. - 5
Astakhova, O. M. - 481
Averbakh, K. O. - 2407
Avotin, G. Ya. - 1596
Avvakumova, L. V. - 1263
Ayupova, Z. L. - 2700
Azerbaev, I. N. - 260, 1379, 1380, 1696, 2349
Azhigirova, M. A. - 2311, 2533

B

Babkina, É. I. - 2586
Baburina, V. A. - 337, 1615, 1616, 2389
Babushkina, T. A. - 38, 542, 1436
Babyak, A. G. - 1233
Badanova, Yu. P. - 2499
Bagrov, F. V. - 933, 934
Baigozhin, A. - 2310
Bairamov, G. K. - 2631
Baisalbaeva, S. A. - 1380
Bakeeva, R. F. - 2568
Bakhmut-Skaya, V. G. - 2071
Balabanova, L. N. - 2530
Balashenko, L. V. - 801
Balezina, G. G. - 1832
Bandaev, S. G. - 2258
Banzargashieva, S. D. - 1553, 1798
Barabanov, V. P. - 1741
Baranov, N. N. - 2386
Baranov, O. M. - 1482, 1485
Baranova, Z. G. - 1393
Baranovskii, V. I. - 1553
Baratova, T. N. - 2611
Barba, N. A. - 2019
Barbakadze, V. V. - 1583
Baryshok, V. P. - 1619, 1867
Bashkirov, Sh. Sh. - 684
Bashkirova, S. A. - 2181, 2186
Baslerova, Yu. A. - 1862
Basov, V. P. - 1399
Batog, A. E. - 844
Baturina, L. S. - 1033, 1069, 2152, 2525
Batyeva, É. S. - 240, 257, 921, 922, 1659, 2057, 2293, 2366, 2579
Baukov, Yu. I. - 73, 78, 469, 556, 807, 1018, 1372, 2308
Bazhenov, B. A. - 2461
Beilis, Yu. I. - 595
Beketov, V. P. - 1607
Bekhli, A. F. - 395
Belopotapova, T. S. - 1958
Belousova, E. M. - 99, 1026, 1285
Belov, P. S. - 1622
Belova, I. V. - 2310
Bel'skii, V. E. - 2568, 2582
Berdnikov, E. A. - 2097
Beremzhanov, B. A. - 1191
Berestova, S. S. - 1117
Berezovskii, V. M. - 210, 911, 1124, 2240
Berliner, E. M. - 2634, 2637
Berzin', L. É. - 613

Bespal'ko, G. K. - 1219
Bessonova, N. N. - 610
Bezuglyi, V. D. - 595, 667
Bikkineev, R. Kh. - 465
Bilibin, A. Yu. - 1847
Bite, I. A. - 1596
Bite, S. Ya. - 112
Blagoveshchenskii, V. S. - 282
Blinova, V. G. - 363, 940
Blokhin, V. V. - 2711
Blokhina, O. G. - 2167
Blyumental', T. O. - 1489, 2254
Bobrova, T. I. - 1106
Bocharova, V. V. - 2236, 2684, 2691
Bochkarev, V. N. - 1733, 2189, 2410, 2418
Bochkareva, M. N. - 768
Bodnarchuk, N. D. - 856, 1007, 1233
Bogat-skii, A. V. - 377
Bogdanov, G. A. - 2706
Bogdanov, V. S. - 45, 49, 311, 319, 768
Bogolyubov, G. M. - 588
Bogoradovskii, E. T. - 1620, 1874, 2421, 2523
Bogoslovskii, N. A. - 908
Bogushevich, N. N. - 703
Bokanov, A. I. - 263, 2059
Bokhovkin, I. M. - 412, 1195, 1200, 1306, 1383, 1386, 2553
Boldeskul, I. E. - 2297
Boldyreva, O. G. - 768
Bolotnikov, V. S. - 1786
Bol'shakova, E. G. - 163
Bondarev, G. N. - 289
Bordzilovskii, V. Ya. - 482
Borisova, E. E. - 224, 927, 928, 929
Borisova, E. Ya. - 606
Borisova, G. M. - 501, 1625
Boronenko, T. P. - 1450
Borovikov, Yu. Ya. - 1086, 1091, 1683, 2335, 2563
Borovoi, L. A. - 115
Bosyakov, Yu. G. - 1696, 2349
Branzburg, M. Z. - 1530
Brattsev, V. A. - 1173, 1364
Brazovskaya, O. M. - 691
Bren', V. A. - 1065, 1069, 2432
Bryantsev, B. L. - 38, 542, 1436
Brysova, V. P. - 1603
Bryukhanov, A. N. - 2306, 2655
Budnikov, G. K. - 368, 638, 872, 1335, 1535, 2319
Budnov, Yu. N. - 311, 319
Bugaeva, G. P. - 2070
Bugerenko, E. F. - 231, 1371, 1733
Bukhtareva, É. F. - 1393
Bulai, A. Kh. - 1730
Bulgarevich, S. B. - 1512, 1786
Buravchuk, Yu. P. - 487
Burlachenko, G. S. - 73
Burmistrova, M. S. - 2308
Burnaeva, L. A. - 989, 2513, 2527
Burnashova, T. D. - 2592
Buryak, V. S. - 602
Burzina, T. S. - 2250
Busev, A. I. - 373
Butin, B. M. - 1696
Butsko, S. S. - 473
Buyakov, A. A. - 2634
Buzashch, V. M. - 473
Bykova, I. V. - 457
Bykova, L. N. - 168

C

Chalykh, É. A. - 2575
Chalykh, S. N. - 2575
Chanturiya, M. D. - 2309
Chaus, M. P. - 1856, 2384
Chauser, E. G. - 150, 1181
Chauzov, V. A. - 223, 727, 1018, 2386
Chekalova, É. G. - 171
Cherkasov, A. S. - 2240
Cherkasov, R. A. - 457, 931
Cherkasova, E. M. - 606
Cherkasova, N. M. - 493
Cherkezishvili, K. I. - 1768
Chernobrovkina, L. P. - 223, 2386
Chernokal'skii, B. D. - 309, 1263, 1466, 2142, 2478
Chernoplekova, V. A. - 1497
Chernov, N. F. - 1866, 1878
Chernova, R. K. - 163
Chernova, T. M. - 355
Chernova, V. A. - 157
Chernyshev, A. I. - 340, 790
Chernyshev, E. A. - 231, 795, 1115, 1733, 2077, 2181, 2183, 2186, 2189, 2418
Chernyuk, I. N. - 655, 1525
Chertov, V. A. - 2209
Chervyakova, T. G. - 1186
Chesnokov, V. F. - 1094, 1195, 1198, 1200, 1386
Chesnokov, V. V. - 1493, 2524
Chibrikin, V. M. - 1588
Chikina, N. L. - 1324
Chipens, G. I. - 431, 1596
Chistokletov, V. N. - 1623, 1661
Chmutova, G. A. - 145
Chobotarev, A. N. - 691
Chukashev, S. G. - 948
Chukhadzhyan, G. A. - 480, 1096, 1175
Chukova, V. M. - 1730
Chulado, N. V. - 1636
Chumachenko, T. K. - 384
Chupakhin, O. P. - 595
Chuprina, G. I. - 1309
Chvalovsky, V. - 2414

D

Dabagova, A. K. - 2614
Danilenko, G. I. - 473
Danilicheva, I. I. - 398
Danilkina, L. P. - 1977, 2070, 2640
Danilov, L. L. - 2265
Danilov, S. N. - 1129
Danilova, G. N. - 1364
Dashkevich, L. B. - 2666
Deich, A. Ya. - 491
Denisov, E. I. - 216
Denisov, G. S. - 2212
Denisov, N. D. - 355
Derecha, E. G. - 1507
Dergunov, Yu. I. - 1257, 1370, 1971, 1989, 2193, 2196, 2199, 2648
Dergunov, Yu. T. - 1030
Deriglazov, N. M. - 1832
Deriglazova, E. S. - 2162
Derkach, G. I. - 1680
Dmitriev, V. D. - 667
Dmitrieva, V. N. - 1340, 1450
Dmitrievskaya, L. I. - 1340, 1450, 1565
Dobrovinskaya, E. K. - 467
Dobryshin, K. D. - 1358
Dodonov, A. M. - 675, 2322
Dodonov, V. A. - 1493, 2524
Dokolina, G. S. - 1393
Dokunikhin, N. S. - 599
Dolgopolov, N. N. - 61
Dolgopolova, N. A. - 1300
Dolgushina, I. Yu. - 1229, 2346
Dombrovskii, A. V. - 1208, 1835, 1898, 2109, 2571
Dombrovskii, V. A. - 1208
Domkin, V. D. - 915, 1381
Domrachev, G. A. - 306
Donyagina, V. F. - 811
Dorfman, K. Ya. - 2036
Dorofeenko, G. N. - 1823

Dorofeenko, L. P. - 786
Dorokhov, V. A. - 768,1737
Dorokhova, E. M. - 1086
Dorokhova, O. V. - 1977,2640
Doroshenko, V. V. - 1009, 1680, 2132
Drach, B. S. - 10,459,1229, 2346
Drapkina, N. E. - 747
Dregeris, Ya. Ya. - 112,613, 2438
Drégich', A. I. - 2524
Drozdov, V. A. - 491
Druzhkov, O. N. - 1759
Dubinskaya, É. I. - 692
Dubonos, K. I. - 838
Dudarev, V. Ya. - 946
Duganova, V. V. - 2461
Dunaevskaya, K. A. - 2443
Durdyev, R. - 1061
Dvorko, G. F. - 2039
D'yachkovskaya, O. S. - 2003
Dyagileva, L. M. - 235,236
D'yakonov, A. N. - 1612,1624, 2084
D'yakov, V. M. - 1366,1367, 1618, 1619, 1773, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1974
Dyatlova, N. M. - 546, 1530
Dzhafarov, A. A. - 1986
Dzhafarov, D. S. - 1312
Dzhailauov, S. D. - 2349
Dzhemilev, U. M. - 1296
Dzherayan, T. G. - 73
Dzhiembaev, B. Zh. - 260, 2454
Dzhundubaev, K. D. - 2531
Dzikovskaya, L. M. - 463
Dziomko, V. M. - 405,2443
Dzvonar', V. G. - 795

E

Efimov, A. A. - 1576
Efimova, V. D. - 273
Efremova, M. V. - 2582
Egorina, A. P. - 210
Egorochkin, A. N. - 1875, 2396
Egorov, A. S. - 1539, 2432
Egorov, V. V. - 78
Egorov, Yu. P. - 1086,1683, 1688, 2335, 2563
Elovskikh, E. M. - 1359
Emyashev, V. I. - 700,2069
Engovatov, A. A. - 939
Énnan, A. A. - 691, 1373
Erastov, O. A. - 1814
Eremenko, S. N. - 1108
Eresov, E. B. - 1493
Erkasov, R. Sh. - 1191
Erokhina, T. S. - 223, 727
Érré, É. A. - 1447
Evdakov, V. P. - 1607
Évoyan, Z. K. - 1096
Evsikov, V. V. - 1745
Evstigneeva, N. G. - 203
Evstigneeva, R. P. - 181,196, 428, 690, 904, 908, 1133, 2265

F

Fadeev, V. N. - 1361
Faizulova, R. R. - 1894
Fazliev, D. F. - 1235
Fedin, É. I. - 1183
Fedorov, A. A. - 1058
Fedorov, A. D. - 2606
Fedorov, E. E. - 1108
Fedorov, L. A. - 581
Fedorov, S. G. - 2525
Fedorov, V. S. - 238
Fedorova, G. K. - 937
Fedorova, L. V. - 200
Fedorovich, I. S. - 1711
Fedoseeva, V. I. - 2077
Fedosyuk, L. G. - 2443
Fedotov, N. S. - 563,2078, 2407
Fel'dshtein, N. S. - 795
Feshchenko, N. G. - 269,2325
Fetisova, T. P. - 210
Fialkov, Yu. Ya. - 1399
Filin, B. P. - 1359
Filippov, E. F. - 1878
Filippov, N. A. - 698,1995
Filippov, V. M. - 2708
Filippova, A. Kh. - 692
Filippova, T. M. - 2454
Filippovich, E. I. - 196
Finnik, V. P. - 1659
Fleiderman, L. I. - 181,428, 1133
Fleisher, A. Yu. - 1157
Flerova, N. I. - 698
Florensova, O. N. - 1868
Fokina, L. N. - 2454
Fomin, G. S. - 2226
Fomin, V. A. - 1112
Fomin, V. M. - 482
Fomina, L. I. - 188
Freimanis, Ya. F. - 112, 613, 877, 2438
Frenkel', A. S. - 2484,2487
Fridland, D. V. - 1615,2603
Fridland, S. V. - 227
Fridman, A. L. - 358
Frolova, V. P. - 2319
Frumina, N. S. - 1108
Funtova, S. M. - 948
Furin, G. G. - 1441
Fuzhenkova, A. V. - 243,285

G

Gaidamaka, S. N. - 458,1904
Gailyunas, G. A. - 2702
Gailyunas, I. A. - 2269
Gainullina, R. G. - 526
Galishev, V. A. - 1623,1661
Galkin, E. G. - 2702
Gal'perin, V. A. - 479,2193
Gal'perin, Ya. V. - 588
Gal'pern, G. M. - 126
Galushina, V. V. - 1691
Galyametdinov, Yu. G. - 309, 2478
Ganushchak, N. I. - 602
Gaponik, P. N. - 1482,1485
Gaprindashvili, V. N. - 1075
Gar, T. K. - 94,2148,2634, 2637
Garaeva, Sh. V. - 334
Gareev, R. D. - 14, 19, 220, 221, 224, 455, 926, 927, 928, 929, 1643, 1860, 2511
Garnovskii, A. D. - 185,1512, 1777, 1786
Gasanov, B. R. - 1528
Gasanov, K. G. - 581
Gasanova, R. Yu. - 91
Gatilov, Yu. F. - 42, 763, 2145, 2481
Gavrilenko, B. B. - 856
Gavrilenko, V. V. - 1277
Gavrilova, L. A. - 1373
Gavrilova, T. N. - 2152
Gayanov, R. Kh. - 2313
Gazizov, M. B. - 1670
Gazizov, T. Kh. - 1947,2056, 2092, 2295, 2582
Gefter, E. L. - 1730
Gel'fond, A. S. - 309,2478
Gerega, V. F. - 1030
German, M. I. - 694
Gershkovich, I. A. - 2019
Gevorkyan, N. A. - 480,1175
Gibin, A. S. - 1835
Gigauri, R. D. - 2142
Gil'man, L. M. - 1261
Gilyarov, V. A. - 248,2372
Gilyazov, M. M. - 750,2586

Giniyatullin, R. S. - 507
Ginzburg, A. G. - 875
Ginzburg, I. M. - 121, 610, 2230, 2247, 2666
Girfanova, Yu. N. - 257, 1606, 2579
Gitel', P. O. - 1714
Gitis, S. S. - 126
Gladchenko, A. F. - 2062
Glaz, A. Sh. - 126
Glebova, G. D. - 1124
Glebova, Z. I. - 1579
Glinskii, Yu. D. - 2507
Glizerman, V. I. - 1875
Glukhikh, V. I. - 2508, 2517
Glushkova, N. E. - 1981
Godovikov, N. N. - 717
Gogolyukhina, L. F. - 241, 1185
Gol'dfarb, É. I. - 1204, 1857
Gol'din, G. S. - 1033, 1069, 2152, 2407, 2525, 2623, 2627
Gol'dshtein, I. P. - 641, 1653
Golodnikov, G. V. - 2070
Gololobov, Yu. G. - 535, 688, 723, 936, 1361, 1856, 2297, 2298
Golubev, V. K. - 1277
Golubtsov, S. A. - 795
Gomza, L. D. - 358
Gorbanev, A. I. - 2226
Gorbatenko, Zh. K. - 2325
Gordeev, Yu. M. - 1542
Gordetsov, A. S. - 2193, 2196
Gordienko, V. G. - 1055
Gorenbein, E. Ya. - 965
Goryaev, M. I. - 2313
Grachev, S. A. - 289, 1429, 2250
Grad, N. M. - 175
Grapov, A. F. - 226, 734, 1362, 1363, 1691, 2122, 2532
Grebnev, A. N. - 300
Grechkin, E. F. - 1609, 1610, 2517
Grechkin, N. P. - 526, 995, 1914
Gribov, B. G. - 303
Gridina, V. F. - 736
Grif, V. Kh. - 2426
Grigor'ev, A. I. - 546
Grigor'eva, É. G. - 960
Grigor'eva, I. K. - 2003
Grigor'eva, N. E. - 2426
Grigos, V. I. - 563, 2062
Grinberg, P. L. - 61
Grinblat, M. P. - 2380
Grineva, N. I. - 436
Grishin, N. N. - 588
Grishin, O. M. - 678
Grishina, O. N. - 276, 720, 1723, 2054, 2302
Gromova, L. I. - 1576
Gruk, M. P. - 1663
Gruntfest, M. G. - 1033, 1065, 1069
Gruzdev, V. G. - 2137
Gruzdev, V. S. - 1140, 1149
Gubanova, L. I. - 1869, 1872
Gubnitskaya, E. S. - 488, 1226, 2296
Gudkov, A. T. - 1855
Gumenyuk, A. V. - 1931
Gurarii, L. I. - 1235
Gur'ev, K. I. - 163
Gur'yanova, E. N. - 641, 949, 1653, 1819
Gurylev, É. A. - 279
Gusakov, L. V. - 1386
Gusar', N. I. - 723, 1361, 1856, 2384
Gusarskaya, N. L. - 1801
Gusel'nikov, L. E. - 61
Guseva, T. A. - 927, 1403
Gverdtsiteli, I. M. - 567, 1617, 1768, 2148, 2309

H

Hetflejš, J. - 2176

I

Ignat'ev, V. M. - 2299
Ignat'eva, S. N. - 1814
Ignatovich, Ya. L. - 226
Il'ina, I. G. - 2071
Il'ina, M. K. - 1944
Il'ina, V. A. - 126
Il'yashevich, I. I. - 885
Il'yasov, A. V. - 872
Imyanitov, N. S. - 1315
Indzhiya, M. A. - 2142
Ioffe, N. T. - 939
Ioganson, A. A. - 464
Ionenko, V. I. - 168
Ionin, B. I. - 293, 1014, 2061, 2299, 2506
Ionov, L. B. - 1476
Irismetov, M. P. - 2313
Isakova, A. P. - 1636, 2026
Ishchenko, O. S. - 2595
Ishmaeva, É. A. - 457, 931
Ishteryakova, G. M. - 2478
Islamov, R. G. - 1414
Ismailov, V. M. - 1674
Ismailova, Sh. E. - 260
Itskovich, V. A. - 1826
Ivanov, A. V. - 126
Ivanov, B. E. - 2568
Ivanov, L. L. - 1046, 1864
Ivanov, N. K. - 1890
Ivanov, V. A. - 1999, 2202
Ivanova, E. A. - 192, 773
Ivanova, G. A. - 2658
Ivanova, N. T. - 795
Ivanova, R. Yu. - 384
Ivanova, T. M. - 38
Ivanova, Z. G. - 2157
Ivanova, Zh. M. - 723, 936
Ivanovskaya, K. M. - 1204
Ivantaeva, L. P. - 457
Ivanyuk, T. M. - 2296
Ivashchenko, A. V. - 405
Ivasyuk, N. V. - 1950
Izmailova, Z. M. - 42, 2145
Izmail'skii, V. A. - 633
Izmeleuova, M. B. - 978

K

Kabachnik, M. I. - 248, 706, 717, 2372
Kachaeva, L. I. - 1759
Kagan, E. G. - 2658
Kaigorodova, V. I. - 1171
Kalabin, G. A. - 2461
Kalabina, A. V. - 1609, 1610
Kal'chenko, V. I. - 1007
Kalinin, V. N. - 581, 1183
Kalinina, G. S. - 1873
Kaliya, O. L. - 1805
Kalmykova, R. V. - 2226
Kalyukova, E. N. - 2663
Kamaletdinova, B. Kh. - 2362
Kaminskii, A. Ya. - 475
Kampel', L. P. - 2695
Kanaev, N. A. - 373
Kanevskaya, Z. I. - 2691
Kanevskii, E. A. - 119
Kapylova, S. I. - 2557
Karabut, N. E. - 940
Karaev, S. F. - 334, 1312
Karapetyan, Yu. A. - 1399
Kardanov, N. A. - 738, 743
Karepov, A. A. - 699
Kargin, Yu. M. - 389, 1081, 2217
Karlin, A. V. - 2611
Karpova, E. N. - 2059
Kartsivadze, N. A. - 327
Kashafutdinov, G. A. - 279
Kashik, T. V. - 2162
Kashnikova, N. M. - 2044

Kasimov, G. G. - 954, 1359, 1602
Kataev, E. G. - 2097
Katrukha, G. S. - 2287
Katyreva, G. S. - 1622
Kazakov, V. Ya. - 2705
Kazankova, M. A. - 66, 701, 1178, 2006
Keiko, N. A. - 801
Keiko, V. V. - 1171
Khabibova, A. K. - 334
Khachaturova, G. T. - 2669
Khachatur'yan, A. A. - 2311, 2533
Khain, V. S. - 2063
Khak, Le Dong - 1471
Khalaturnik, M. V. - 1208
Khamylova, I. A. - 54
Khananashvili, L. M. - 2176
Khanina, L. A. - 2426
Kharabaev, N. N. - 346, 351
Kharchuk, V. G. - 2705
Kharitonov, N. P. - 477, 1981
Kharitonova, R. I. - 1099
Kharlamov, V. A. - 2092, 2295
Kharlampidi, Kh. É. - 2515
Kharrasova, F. I. - 1447
Kharrasova, F. M. - 273, 1741
Khaskin, B. A. - 992, 1170
Kheifets, L. Ya. - 168
Kheifets, V. L. - 401
Khmel'nitskaya, E. Yu. - 599
Khodak, A. A. - 248
Khokhlov, A. S. - 2274, 2279
Khorshev, S. Ya. - 575
Khotsyanovskii, O. I. - 2545
Khramov, A. S. - 684
Khripach, V. A. - 2534
Khrzhanovskaya, I. L. - 2392
Khudayarov, I. A. - 409, 2068
Khukhryanskii, V. G. - 1137, 2051
Khusnutdinov, R. I. - 1296
Khvostenko, V. I. - 2702
Kibardin, A. M. - 1947, 2056
Kibardina, L. K. - 456, 924, 2102, 2528
Kiladze, S. Kh. - 1617
Kilimov, A. P. - 1502
Kim, Khya, Ok - 2313
Kireev, V. V. - 32
Kirilin, A. D. - 471, 693, 1971
Kirsanov, A. V. - 10, 2085
Kiseleva, V. M. - 175
Kisilenko, A. A. - 1688
Kisin, A. V. - 563, 1733, 2181, 2186
Kist'yan, G. K. - 1579
Klebanskii, A. L. - 786, 1919, 2305, 2380
Klement'ev, I. Yu. - 2619
Kletsko, F. P. - 1171, 1367, 1618
Klimenko, E. P. - 5
Klimentov, A. S. - 2314
Klimov, L. A. - 1369
Klochkova, T. A. - 2183, 2189
Knizhnikova, M. A. - 2669
Knyazev, S. P. - 1173, 1364
Knyazev, V. N. - 491
Knyazeva, E. N. - 5
Kobzareva, O. V. - 384
Kochergin, V. P. - 2404
Kocheshkov, K. A. - 1497
Kochina, T. A. - 477
Kochkin, D. A. - 1986
Kogan, V. A. - 346, 351, 487, 1179, 1539, 2432
Kokushkina, V. A. - 1358
Kolesnikov, A. M. - 2055
Kolobov, N. A. - 358
Kolodkina, I. I. - 192, 773
Kolodyazhnyi, O. I. - 535, 539, 688, 689, 2509, 2518
Kolodyazhnyi, Yu. V. - 738, 743, 747, 1033, 1069, 1324
Kolomeitseva, L. A. - 1837
Kolomnikov, I. S. - 1958
Kolosov, V. A. - 207
Kol'tsov, S. I. - 1, 218
Kol'tsova, A. N. - 2623
Kormachev, V. V. - 293, 1244, 1247
Komalenkova, N. G. - 2181, 2183, 2186, 2189
Komarov, N. V. - 2066, 2067
Komlev, I. V. - 282
Kondranina, V. Z. - 1081, 2217, 2579
Kondratenkov, G. P. - 1919
Konovalov, L. V. - 1489, 1549, 2254
Konovalova, G. M. - 851
Konovalova, I. V. - 26, 219, 989, 2088, 2513, 2527
Konyasheva, N. V. - 142
Kopranenkov, V. N. - 1521
Kopylov, V. M. - 102, 340, 790
Kopylova, L. I. - 81, 2600
Korichev, G. L. - 1995
Kormachev, V. V. - 2327, 2332, 2575
Kormer, V. A. - 327
Kornev, V. I. - 1476
Kornilov, M. Yu. - 1525
Korodteev, M. P. - 2128
Korol', E. L. - 1251
Korolev, B. A. - 232, 943
Korol'ko, V. V. - 466, 1036, 1919, 2305, 2658
Korostova, S. E. - 2530
Koroteev, M. P. - 1424
Korsakov, M. V. - 477
Korshak, V. V. - 32, 1023, 1261
Korshunova, G. A. - 237, 2079
Koryakin, A. G. - 479
Kosheleva, L. I. - 395
Koshutin, V. I. - 700, 2069, 2072
Kosinskaya, I. M. - 1678
Kositsyna, É. I. - 551
Kosova, L. M. - 276, 1723
Kost, A. N. - 2026
Kosterin, E. A. - 1726
Kostina, V. G. - 269
Kostyuk, A. S. - 556, 807
Kostyuk, I. O. - 1157
Kostyukovskii, Ya. L. - 2355
Kotok, L. A. - 1344
Kotov, A. G. - 1805
Kotova, L. N. - 1061
Kovalenko, L. G. - 1351
Kovalevskaya, T. V. - 1219, 1683
Kovenya, V. A. - 2352
Kovshev, E. I. - 234
Kozhakhmetova, R. I. - 2531
Kozhevnikova, N. Yu. - 1847
Kozhin, S. A. - 1157, 2491
Kozhushko, B. N. - 1931, 2055
Kozlov, A. P. - 132
Kozlov, É. S. - 458, 755, 1904, 1954
Kozlov, L. M. - 1403
Kozlov, N. S. - 1368
Kozlov, V. V. - 1376
Kozlova, L. N. - 1436
Kozlova, T. F. - 266, 734, 1363
Kozlovska, D. Ya. - 2438
Kozlovskaya, L. A. - 1557
Koz'mina, Z. V. - 1094
Kozyukov, V. P. - 467, 1371, 1971, 1989
Krainov, I. P. - 1344
Kramarova, E. P. - 469
Krasil'nikova, E. A. - 1861
Krasnobrizhii, N. Ya. - 200, 1140, 1145, 1149, 1351
Krasnova, T. L. - 2077, 2418
Krasnyuk, L. P. - 1814
Kravis, I. Ya. - 109
Kreshchenko, E. P. - 1683
Kreslavskii, M. R. - 2236
Kriveleva, N. A. - 415, 420, 647
Krivosheeva, I. A. - 241, 1911
Krivtsov, V. F. - 1837

Kropachev, E. V. - 289, 1429
Kruglov, S. V. - 1014
Krupatkin, I. L. - 968, 973
Krupnikova, A. A. - 2557
Krylov, E. I. - 954
Krylov, L. V. - 2327
Krylova, A. Yu. - 1309
Krysenko, A. D. - 1399
Kryuchkov, A. A. - 714
Kryukova, T. B. - 823
Ktoyan, D. V. - 2614
Kucher, R. V. - 844, 1121
Kudryashov, L. I. - 426
Kudryavtseva, L. A. - 2568
Kudyakov, N. M. - 1974
Kukalenko, S. S. - 853, 1106, 1374
Kukhar', V. P. - 2058, 2065, 2509
Kukhtin, V. A. - 293, 930, 2304, 2327, 2332, 2575
Kukushkin, Yu. N. - 759, 838, 1546, 1549, 1553, 1798, 2663
Kuliev, A. M. - 606
Kulik, N. I. - 2039
Kunitskaya, L. A. - 1476
Kuramshin, I. Ya. - 684, 1177, 1940, 1944, 2359
Kurbatov, V. P. - 185
Kurguzova, A. M. - 2568
Kuropatova, A. A. - 894
Kursanov, D. N. - 875
Kurshakova, N. A. - 686
Kushnir, V. N. - 1208
Kut'enkov, A. A. - 2669
Kutulya, L. A. - 1055
Kuzharov, A. S. - 867, 1507, 1782
Kuz'menko, I. I. - 2120
Kuz'min, K. I. - 1963
Kuz'mina, T. M. - 2183, 2186, 2189
Kuznetsov, E. V. - 1720
Kuznetsov, P. V. - 2666
Kuznetsov, V. A. - 2396
Kuznetsova, É. Ya. - 570
Kuznetsova, T. A. - 801
Kuznetsova, V. P. - 2205
Kvasyuk, E. I. - 1377
Kvitko, I. Ya. - 185
Kyuntsel', I. A. - 1954

L

Lakhvich, F. A. - 2534
Lapin, A. A. - 1857
Lapkin, I. I. - 52, 331, 1479, 1614
Larin, G. M. - 207
Latysheva, T. E. - 2078
Latysheva, V. A. - 960
Lavrent'ev, A. N. - 1668
Lavrukhin, B. D. - 2619
Lavrushin, V. F. - 115, 863, 889, 1055, 2426, 2674, 2680
Lazareva, V. T. - 234
Lazukina, L. A. - 2065
Lebedev, E. P. - 337, 1615, 1616, 2389, 2603, 2606
Lebedev, O. L. - 1805
Lebedev, S. A. - 696, 2644
Lebedev, V. B. - 2421
Lebedeva, A. S. - 1261
Lebedeva, V. I. - 466, 1036
Ledovskikh, V. M. - 2545
Legin, E. K. - 703, 982
Lelikova, V. E. - 491
Lemin, N. N. - 1318
Lermanova, S. S. - 1603
Leshchenko, A. V. - 1631
Levashova, V. L. - 1517
Levi, Sh. S. - 908
Leviman, G. E. - 1300
Levin, M. Z. - 66
Levin, Ya. A. - 750, 2586
Levitin, I. Ya. - 150, 1841
Levshina, G. A. - 241, 1185
Lin'kova, V. P. - 185
Liorber, B. G. - 1911
Lipatova, I. P. - 273
Lipner, B. S. - 1749
Lipovich, V. G. - 2461
Listvan, V. N. - 228
Litvyak, I. G. - 1966
Litvyakova, G. I. - 289, 1429
Lobanov, O. P. - 459
Lobanova, L. A. - 1819
Lobova, O. I. - 633
Loginova, É. I. - 1914
Loginova, N. F. - 2082
Loi, L. I. - 2066, 2067
Loktionova, R. A. - 2297, 2298
Lomakina, T. S. - 436
Lomakina, V. I. - 2125
Lugovkin, B. P. - 1254
Lukevits, É. - 84
Lukevits, É. Ya. - 2162
Lukina, N. Ya. - 1631
Lukina, Yu. A. - 1974
Luk'yanenko, L. V. - 1121
Luk'yanets, E. A. - 1805
Luneva, L. K. - 1023
Lunin, A. V. - 482
Lurik, B. B. - 2246
Lutsenko, I. F. - 66, 73, 78, 469, 556, 696, 701, 807, 1178, 1455, 2006, 2343, 2516, 2644
Lutskii, A. E. - 415, 420, 647, 848, 2236, 2684, 2691
Luzgina, V. N. - 196
Lyalyakina, N. P. - 481, 1176
Lyapina, S. S. - 398
Lysenko, V. P. - 688, 2297
Lysenko, Yu. A. - 894
Lysova, N. N. - 1700
Lyubimova, O. I. - 1805

M

Maevskaya, S. N. - 2287
Magdesieva, N. N. - 1055, 1507
Magomedov, G. K. I. - 2284, 2487
Mairanovskii, V. G. - 939, 2082
Maistrenko, V. N. - 872, 1535
Makarenko, N. P. - 2524
Makashev, Yu. A. - 2250, 2711
Makasheva, I. E. - 2711
Makitra, R. G. - 1883, 2467, 2548
Maksakova, M. V. - 2623
Maksimenko, A. A. - 2520, 2521
Maksimov, V. L. - 2421
Maksimova, I. P. - 1890
Maksimova, L. N. - 700
Maleeva, A. I. - 2061
Maletina, E. A. - 1865
Malevannaya, R. A. - 706
Malinovskii, M. S. - 1452
Malkes, L. Ya. - 1450
Mal'kov, V. D. - 2655
Mal'kova, T. A. - 618, 1051
Malmanis, A. Ya. - 2438
Mal'tseva, M. A. - 232
Mal'tseva, S. P. - 1557
Malygin, A. A. - 1
Malysheva, S. F. - 1832, 2530
Malyugina, N. I. - 1801
Mamedov, M. G. - 2707
Mametova, N. A. - 2531
Manapov, R. A. - 684, 1940, 1944
Mandel'baum, Ya. A. - 2125
Mandyuk, V. F. - 1517
Mannafov, T. G. - 1378
Manukina, T. A. - 78
Marchenko, A. P. - 1002
Mardykin, V. P. - 1482, 1485
Margulis, B. Ya. - 2097
Marinova, R. I. - 2246
Markova, L. F. - 904
Markovskii, L. N. - 1009, 1688, 2132
Martem'yanov, V. S. - 2700
Martirosov, A. E. - 2537, 2542
Martynov, Yu. N. - 2663
Martynova, O. S. - 481
Martynyuk, A. P. - 999, 1002

Mashoshina, S. N. - 1455
Maskhuliya, V. P. - 973
Maslennikov, I. G. - 1668
Maslennikov, V. P. - 2306, 2655
Matei, A. A. - 2563
Matrosov, E. I. - 2372
Matveev, L. G. - 657
Matveicheva, G. P. - 1733
Matyuk, V. M. - 2059
Mednikova, T. A. - 904
Medvedeva, M. D. - 682, 683, 924, 1360, 2528
Medyantseva, É. P. - 1335, 2319
Megera, I. V. - 1898, 2116
Melkonyan, L. N. - 1096
Mel'nikov, B. V. - 389
Mel'nikov, N. N. - 266, 734, 940, 992, 1170, 1362, 1363, 1691, 1810, 2122, 2532
Mel'nikov, V. F. - 2072
Mel'nikova, I. A. - 1810
Mel'nikova, V. I. - 1862
Meshkova, O. V. - 667
Mesyats, S. P. - 1499
Mezentseva, G. A. - 599
Mezheritskii, V. V. - 1823
Mikhailopulo, I. A. - 947, 1377
Mikhailov, B. M. - 45, 49, 311, 319, 768, 1039, 1737
Mikhailova, O. B. - 1362, 2532
Mikhal'chenko, T. K. - 1549
Mikryukova, G. M. - 1390
Miksta, S. Ya. - 1354, 2080
Mileshkevich, V. P. - 466, 2611
Mil'kina, V. N. - 1977
Minkin, V. I. - 1065, 2520, 2521
Minkina, L. S. - 185
Mironov, A. F. - 181, 428, 690, 904, 1133
Mironov, V. E. - 2711
Mironov, V. F. - 94, 467, 471, 563, 693, 1371, 1762, 1867, 1875, 1877, 1971, 1989, 2062, 2078, 2148, 2404, 2407, 2634, 2637
Mironova, L. V. - 2508
Miroshnikova, L. I. - 442, 1583
Mirskov, R. G. - 2595
Mishagin, B. N. - 930
Mishchenko, V. V. - 2454
Mishin, G. P. - 237
Misyunas, V. K. - 2592
Mitichkin, A. I. - 647
Mitina, V. G. - 2674
Mitrasov, Yu. N. - 1244, 1247
Mizrakh, L. I. - 38, 542, 1436, 2301
Moiseeva, O. A. - 1251
Moiseikina, N. F. - 2026
Mokeeva, V. A. - 1954
Molodtsova, V. A. - 2545
Molyavko, L. I. - 2120, 2335
Momot, V. V. - 856
Moncharzh, N. M. - 1570
Morgunova, M. I. - 1069
Morgunova, M. M. - 1033, 2410
Morozov, O. S. - 236, 664
Morozov, V. I. - 872
Moskalevskaya, L. S. - 937
Moskovich, Yu. L. - 238
Moskva, V. V. - 461, 1462, 1674
Motorova (Bykhovskaya), T. N. - 1810
Movshovich, D. Ya. - 867, 1777
Movsum-zade, É. M. - 91, 2707
Mukhacheva, O. A. - 520
Mukhamedova, L. A. - 720
Mukhametzyanova, É. Kh. - 530, 1950
Mukmenev, É. T. - 1235
Mulyanov, P. V. - 1030, 1570
Muratova, A. A. - 515, 684, 923, 1177, 1605, 1653, 1940, 1944, 2359
Murav'ev, I. V. - 1711
Mushkin, Yu. I. - 1257, 1370, 2199
Musienko, G. A. - 570
Muzychenko, T. A. - 2407
Myasnikova, L. G. - 2506
Myshkin, A. E. - 1588
Myshkin, V. E. - 675
Mysin, N. I. - 1257, 2199, 2648

N

Nagareva, V. N. - 139, 155, 661
Nagayuk, I. N. - 2125
Naimushin, A. I. - 129
Nakaidze, L. I. - 1283
Nametkin, N. S. - 61
Narain, Gopal - 325
Nasakin, O. E. - 2332
Nasirov, Ya. F. - 91
Nasonovskii, I. S. - 714
Naumov, A. D. - 231
Naumov, Yu. A. - 1636, 2026
Naumova, I. I. - 2695
Naumova, K. P. - 1753
Navaly, O. I. - 99
Navtanovich, M. L. - 401
Nazarova, Z. N. - 867
Nazmutdinov, R. Ya. - 1858
Nazvanova, G. F. - 1462
Nechaeva, M. A. - 720
Nefedov, V. D. - 477
Nekrasov, Yu. S. - 2487
Nemirovskaya, I. B. - 875
Nesterenko, V. D. - 1659
Nezavibat'ko, V. N. - 2451
Nifant'ev, É. E. - 282, 485, 714, 1241, 1424, 2128
Nikeryasova, S. V. - 2026
Nikitin, V. S. - 1875
Nikitina, L. V. - 546
Nikitina, V. I. - 1420
Nikolaev, E. N. - 58
Nikolaeva, V. G. - 520
Nikolenko, L. N. - 2709
Nikonenko, V. A. - 279
Nikonorov, K. V. - 279
Nikonorova, L. K. - 526, 995, 1914
Nilov, O. V. - 1200
No, B. I. - 462, 935, 1993, 2369, 2507
Nogaideli, A. I. - 1283
Nosova, V. V. - 1180
Novakovskii, M. S. - 1791, 1794
Novikov, S. S. - 1993
Novikov, V. P. - 1620
Novikova, A. N. - 2525
Novikova, Z. A. - 1455, 2343, 2516
Novruzov, S. A. - 1674
Nud'ga, L. A. - 1129
Nurakhmetov, N. N. - 1191
Nuretdinov, I. A. - 526, 995, 1914
Nurmukhametov, R. N. - 2669
Nurseitova, T. É. - 2537, 2542

O

Obukhova, E. M. - 420
Ofitserov, E. N. - 2057, 2293
Ofitserova, É. Kh. - 219, 2088, 2512
Ogoleva, L. N. - 2209
Oleinik, A. V. - 1801
Olsuf'eva, E. N. - 2312
Omarov, T. T. - 1379, 1380
Onys'ko, P. P. - 1361
Orlov, V. D. - 115
Orlov, V. Yu. - 61, 696
Orlov, Yu. E. - 2023
Orlova, G. V. - 1861
Orlova, I. A. - 938
Oshkaya, V. P. - 2036
Osipov, O. A. - 185, 346, 351, 487, 738, 743, 747, 867, 881, 1033, 1069, 1179, 1251, 1324, 1507, 151? 1539, 1777, 1782, 1786
Osipova, L. F. - 1714
Osipova, M. P. - 2304

Ospanov, A. U. - 1602
Ovchinnikov, K. V. - 58
Ovchinnikov, V. V. - 931
Ovrutskii, V. M.- 446, 2120
Ovsepyan, A. M.- 2311
Ovsyannikova, L. P. - 2171

P

Pak, V. D. - 1368
Pak, V. N. - 218, 920
Pakhomova, I. V. - 1546, 2663
Pakhonov, L. G. - 1887
Panasenko, A. I. - 1576
Panchenko, S. I. - 192, 773
Panfilovich, Z. U.- 1963
Panina, N. S. - 1553
Panova, G. V. - 207, 448
Pansuevich, O. S. - 2080
Panyushkin, V. T. - 699
Paperno, T. Ya. - 2254
Papsuevich, O. S. - 1354
Parfenov, É. A. - 1112, 1186
Parkhomenko, N. G. - 1745
Pashinkin, A. P. - 2092, 2582
Passet, A. V. - 1036
Pavar, A. P. - 1596
Pavlenko, É. S. - 2222
Pavlenko, N. G. - 2058
Pavlov, S. Yu. - 171
Pavlov, V. A. - 1911
Pavlovskaya, G. R. - 119
Pavlycheva, A. V. - 1370
Pavlycheva, É. V. - 1434
Pchelintsev, V. I. - 2181
Pchelintsev, V. V. - 1369
Pechenyuk, S. I. - 957
Pecheritsyna, Ya. P. - 2070
Pechurina, S. Ya. - 563, 2062
Pentin, Yu. A. - 2077
Perepelkova, T. I. - 641
Perevalov, V. P. - 188, 942
Pereyaslova, D. G. - 1340
Pesotskaya, G. V. - 2065
Pestova, T. A. - 1653, 2528
Pestunovich, A. E. - 2162
Pestunovich, V. A. - 801, 1171
Petrenko, O. E. - 178
Petrov, A. A. - 686, 823, 1014, 1620, 1623, 1661, 1663, 1874, 2299, 2421, 2523
Petrov, B. I. - 1873
Petrov, É. S. - 1499, 1862
Petrov, K. A. - 223, 727, 1471, 2386
Petrov, K. I. - 606
Petrova, G. B. - 358
Petrova, G. L. - 2706
Petrovskaya, L. Yu. - 1565
Pilyugin, G. T. - 178, 655, 1525
Pilyugin, V. S. - 136, 2030
Pinchuk, A. M. - 1002, 1219, 1226, 1683, 2352
Pinchuk, V. V. - 894
Pirtskhalava, N. I. - 1539
Piruzyan, L. A. - 1588
Pisanenko, N. P. - 1678
Piskareva, R. V. - 2023
Pitrina, M. R. - 657
Piven', V. A. - 867
Pivnenko, N. S. - 2426
Pivnitskii, K. K. - 681, 1862, 2499
Pivovarevich, L. P. - 1055
Pivovarova, M. G. - 1099
Plakhotnik, V. N. - 1745
Plekhov, V. P. - 515, 923, 1653, 2359
Plisko, E. A. - 1129
Plyak, É. A. - 622, 2315
Pobedimskaya, M. V. - 227
Pochtakova, É. I. - 498
Podchainova, V. N. - 885
Poddubnaya, N. A. - 1140, 1145, 1149
Poddubnyi, V. G.- 2623, 2627
Podkovyrina, T. A. - 145
Podol'skaya, V. I. - 602
Pogorelyi, V. K. - 647
Pokorny, J. - 985
Poletaeva, I. A. - 327
Polle, É. G. - 139, 155, 661
Polonskaya, L. Yu. - 38, 542, 1436, 2301
Polozov, B. V. - 1874
Polubentseva, M. F. - 2461
Polunin, A. A. - 1179
Polyakov, A. I. - 472
Polyakova, N. A. - 2240
Pominov, I. S. - 1414
Ponomarev, S. V. - 696, 2644
Ponomareva, É. A. - 2039
Popov, I. I. - 474
Popov, N. I. - 2470, 2474
Popova, A. A. - 106
Popova, N. V. - 1137, 2051
Pospelova, T. A. - 484, 1841
Posyagin, G. S. - 358
Potapov, V. M. - 448, 2071
Potekhin, V. M.- 1826
Potemkin, L. V. - 2470
Povolotskii, M. I. - 1954, 2352
Pozdeev, V. V. - 946
Pozdeeva, A. A. - 157
Pozharitskii, A. F. - 1026, 1285
Pozhidaev, V. M. - 26
Poznanskaya, N. L. - 363
Preobrazhenskaya, N. V. - 1622
Prezhdo, V. V. - 1108
Pridantseva, E. A. - 1166
Prikop'eva, G. A. - 692
Pritula, N. A. - 2396
Prons, V. N. - 1919, 2305, 2380
Proshutinskii, V. I. - 1614
Proskuryakov, V. A. - 1826
Protsenko, E. G. - 1344
Protsenko, L. D. - 355, 2120
Puchkova, V. V. - 949
Pudeev, L. M.- 235
Pudovik, A. N. - 14, 19, 26, 219, 220, 221, 240, 252, 257, 455, 456, 513, 515, 682, 683, 684, 921, 922, 923, 924, 926, 989, 1177, 1212, 1360, 1409, 1414, 1420, 1605, 1606, 1643, 1653, 1659, 1857, 1858, 1860, 1940, 1944, 1947, 2056, 2057, 2088, 2092, 2102, 2292, 2293, 2295, 2359, 2362, 2366, 2512, 2513, 2515, 2527, 2528, 2579, 2582
Pudovik, M. A. - 252, 456, 513, 682, 683, 924, 1360, 2102, 2292, 2515, 2528
Pukhnarevich, V. B. - 81, 2600
Puring, M. N. - 1826
Pushkareva, K. S. - 747
Pyaivinen, É. A. - 1152
Pyatkina, T. V. - 817, 943
Pyrkin, R. I. - 750

R

Radzhabov, M. I. - 409, 2631
Rakhmankulov, D. L.- 2700
Rakov, A. P. - 229, 930, 1726, 2303, 2708
Raksha, M. A. - 1471
Rashitova, Z. R. - 1187
Razumov, A. I. - 461, 520, 1462, 1670, 1674, 1861, 1911
Razumova, N. A. - 686, 1215, 1663
Razumovskii, V. V. - 1489, 2254
Razuvaev, G. A. - 2392, 2396
Razvodovskaya, L. V. - 2122
Reikhsfel'd, V. O. - 337, 698, 1995, 1999, 2202, 2603, 2606
Rekunova, V. N. - 2047
Remizov, A. B. - 931, 1378
Rengevich, V. B. - 119
Repina, L. A. - 535, 2298
Reznichenko, V. N. - 99

Rezvukhin, A. I. - 1441
Rodionov, V. Ya. - 188, 942
Rodionova, E. F. - 2401
Rodionova, L. S. - 1623
Rodionova, N. M.- 171
Rogacheva, I. A. - 1730
Rogachevskii, V. L. - 2418
Rogovik, L. I. - 655
Rogozev, B. I. - 2421
Rogozhnikova, I. S. - 331
Roman, V. K. - 1865
Romanenko, G. M. - 1399
Romanov, G. V. - 1857, 1858
Romantsevich, M. K. - 570
Rostovtseva, L. I. - 2274, 2279
Rozanel'skaya, N. A. - 263
Rozanov, I. G.- 954
Rozenberg, G. Ya. - 2533
Rozhdestvenskaya, I. T. - 2325
Rozinov, V. G.- 1609, 1610
Rudakova, I. P. - 150, 484, 1181, 1841, 2047
Rudenko, O. P. - 377
Ruderfer, I. B. - 807
Rudi, V. P. - 602
Rudneva, N. I. - 1176
Rudnitskaya, G. F. - 930
Rukhadze, E. G. - 2071
Rumyantseva, G. I. - 1521
Rumyantseva, V. D. - 1133
Rumyantseva, V. P. - 303
Rusina, M. N. - 1530
Rusinov, V. L - 595
Ryabtsev, M. N. - 948
Ryabukhin, Yu. I. - 1823
Rybalka, I. G. - 563
Rybkina, V. V. - 1609, 1610
Rymareva, T. G. - 1170
Ryshkova, T. S. - 848
Ryznova, G. L. - 1061
Rzheznikov, V. M. - 681

S

Sadekov, I. D. - 2520, 2521
Sadimenko, A. P. - 738
Sadykh-zade, S. I. - 89, 2068
Sadykov, T. N. - 2531
Safin, I. A. - 2359
Safiullina, N. R. - 515, 1177
Sagalovich, V. P. - 1376
Saikovich, E. G. - 436
Sakharova, N. N. - 501, 1561, 1625
Sakharova, Yu. G. - 501, 1625
Saksonova, A. N. - 309
Salakhutdinov, R. A. - 461, 1462, 1670
Salikhov, V. D. - 629
Salimgareeva, I. M.- 945, 2529
Samarai, L. I. - 458
Samitov, Yu. Yu. - 252, 1466, 2097, 2102
Samokhvalov, G. I. - 908, 2454
Samsonova, G. A. - 1974
Saratov, I. E. - 698, 1999, 2202
Sarbaev, A. N. - 479
Satina, T. Ya. - 701, 1178
Savel'eva, N. I. - 556
Savich, I. A. - 398
Savin, V. I. - 2481
Savina, M. V. - 2706
Savost'yanova, I. A. - 2308
Sazanova, A. A. - 2575
Sazonova, Z. Ya. - 461
Schukina, L. I. - 507
Sedlov, A. I. - 755, 1705
Seifullina, I. I. - 1026, 1285
Selivanov, V. D. - 1030
Selivanova, A. S. - 1659
Semakhina, N. I - 389, 1081, 2217
Semakov, B. V. - 2061
Semashko, Z. T. - 488, 2296
Semenov, B. K. - 2553
Semenov, G. A. - 58
Semenova, G. K.- 2355
Sementsova, Zh. N. - 102
Semiletov, Yu. A. - 237, 2079
Senchenkova, T. M.- 426
Sengar, Babu Ram S. - 325
Serebrennikov, V. V. - 2222
Serebrynskaya, A. I. - 1117
Seredenko, V. I. - 1737
Serednitskaya, M. N. - 2467
Sergeev, V. S. - 723
Sergeeva, V. F. - 978, 2557
Sergeicheva, L. P. - 1861
Serpkova, N. N.- 2451
Setkina, V. N. - 875
Shabarov, Yu. S. - 2258
Shabarova, Z. A. - 1180
Shabikova, G. Kh. - 978
Shafranskii, V. N. - 106, 618, 1051
Shagidullin, R. R. - 530, 1235, 1263
Shagova, É. A. - 1039
Shakorov, I. Kh. - 530
Shal'nova, K. G. - 306
Shamaiko, L. I. - 398
Shan'ko, A. N. - 1546
Shapet'ko, N. N. - 1117
Sharbatyan, P. A. - 384
Sharonov, B. P. - 2711
Sharov, V. N.- 1919, 2305
Shashkin, M. A. - 919
Shatenshtein, A. I. - 1117, 1499, 1862
Shatrova, T. G. - 1624
Shchelkunova, L. I.- 2250
Shchelkunova, M. A. - 520
Shcherbakov, V. I. - 2003
Shcherbakova, É. S. - 641, 1653
Shcherbinin, V. V. - 1762, 1875, 1877
Sheikh-Zade, M. I. - 2212
Sheina, G. G. - 415, 647
Sheinker, V. N. - 867, 1507, 1512, 1777, 1782, 1786
Shek, V. M.- 226
Shekhter, O. V. - 1161, 1166
Shelest, V. V. - 1525
Shelokhneva, L. F. - 327
Sheludyakov, V. D. - 471, 693, 1762, 1875, 1877, 1971, 1989
Shepel', A. V. - 647
Shergina, N. I. - 551, 2414, 2157
Shermergorn, I. M. - 224, 530, 927, 928, 929, 1403, 1950
Shestakova, S. I. - 853, 1374
Shevchenko, T. M.- 2222
Shevchenko, V. I. - 1678
Shevchenko, V. M. - 965
Shevchenko, Z. A. - 848
Shevchuk, M. I. - 1208, 1898, 2109, 2116, 2571
Sheverdina, N. I. - 1497
Shevtsova, V. A. - 2611
Shifrina, R. R. - 1653, 1819
Shikhiev, I. A. - 91, 334, 1312, 2707
Shikhieva, M. I. - 91
Shilov, I. V. - 282, 1241
Shimanskaya, N. P. - 1344
Shiryaev, V. I. - 2404
Shishkin, V. E. - 462, 935, 2369, 2507
Shishokin, V. P. - 216
Shkodinskaya, E. N. - 2044
Shkurina, T. N. - 139, 661
Shokol, V. A. - 1680, 1931, 2055, 2120, 2335
Shologon, I. M. - 570
Shostenko, A. G. - 675, 2322
Shpak, S. T. - 2109, 2571
Shragin, I. S. - 340
Shraiber, V. M. - 2212
Shtepanek, A. S. - 999, 2085
Shternberg, I. Ya. - 877
Shugal, N. F. - 546
Shulyndin, S. V. - 1944
Shumakovich, I. E. - 395
Shur, A. M. - 2019

Shurov, S. N. - 52
Shvachkin, Yu. P. - 237, 948, 1837, 2079, 2312
Shverina, V. G. - 1879
Shvets, A. A. - 881, 1251
Shvetsov-Shilovskii, N. I. - 363, 481, 657, 940, 1176
Sibirskaya, V. V. - 1549, 1553, 1798
Sidorenko, I. A. - 1393
Sidorova, E. E. - 2302
Sigaev, V. Ya. - 2314
Sigalov, M. V. - 1773
Sigan, A. L. - 1841
Sigolaev, Yu. F. - 1826
Silaev, A. B. - 2287
Simchenko, L. I. - 84
Simonov, A. S. - 1198
Simonov, V. D. - 851
Simonov, V. V. - 129
Simonova, A. A. - 2627
Sinitsa, A. D.- 1229, 2346
Sinotova, E. N. - 477
Sitdikova, T. Sh. - 1462
Sitnikova, S. P. - 2595
Sizova, N. I. - 1033
Skobeleva, S. E. - 575, 2396
Skorobogatova, S. Ya. - 2343, 2516
Skripkina, V. T. - 1340
Skrynik, E. M.- 200, 1351
Skvortsov, N. K. - 155, 1749
Skvortsova, N. P. - 1183
Sladkov, A. M. - 1023
Slavachevskaya, N. M. - 2355
Slavinskaya, R. A. - 2651
Slobodin, Ya. M. - 2640
Slonim, I. Ya. - 1730
Smagin, V. M. - 1277
Smirnov, V. A. - 700, 2069, 2072
Smirnov, V. N. - 45
Smirnov, V. V. - 1502
Smirnova, L. I. - 2044
Smirnova, O. D. - 45
Smolyanskii, A. L. - 2212
Smorgonskaya, G. L.- 2706
Smushkevich, Yu. I. - 1565
Sobanov, A. A. - 1212, 1409, 2362
Sobanova, O. B. - 1605
Sobina, N. A. - 168
Sochilin, E. G. - 1668
Soifer, G. B. - 1954
Sokolov, E. I. - 2305
Sokolov, L. B. - 1613, 2506
Sokolov, V. P. - 487
Sokolova, N. B. - 185
Sokolova, N. I. - 1180
Sokol'skii, D. V. - 2470, 2474
Solov'ev, N. G. - 934
Solov'eva, E. I. - 664
Solovova, O. P. - 1714
Somorin, Oiin. - 1592
Somova, I. K. - 2013
Sorochinskaya, E. I. - 2491
Sorokin, M. S. - 1366, 1367, 1618, 1773, 1866, 1871
Sorokin, Yu. A. - 1873
Sosonkin, I. M. - 475
Sosunov, A. A. - 1502
Souček, J. - 2176
Sparinya, A. Ya. - 112
Spirikhin, L. V. - 2269
Spirina, I. V. - 2306
Stadnichuk, M. D. - 823, 828
Stadniichuk, R. F. - 178
Stanko, V. I. - 1173, 1364
Starkov, S. P. - 1576
Starodub, V. A. - 1791, 1794
Starostina, A. K. - 2454
Starshov, I. M.- 1861
Stefanovskaya, L. K. - 300
Stepanov, A. I. - 911
Stepanov, B. I. - 188, 263, 694, 811, 817, 942, 943, 1557, 1561, 2059, 2209
Stepanova, A. A. - 1636
Stepanova, V. A. - 171
Stepina, É. M. - 2404
Stepovik, L. P. - 54
Stetsenko, A. I. - 957, 1749, 1753
Stradyn', Ya. P. - 109, 1528
Strashnikova, N. V. - 551, 2157, 2414
Strepikheev, Yu. A. - 2695
Strogov, G. N. - 475
Strukov, V. V. - 759
Stukalo, E. A. - 1009, 1688, 2132
Subbotin, O. A. - 2258
Sudakova, T. M. - 2511
Sukhinin, V. S. - 132
Sukhomlinov, A. B. - 1640
Sukhorukova, N. A.- 2517
Sulaimanov, A. S. - 2531
Sul'din, B. V. - 664
Sultanov, R. A. - 409, 2068, 2631
Sultanova, D. B. - 1670
Sultanova, M. Sh.- 89, 2631
Sultanova, R. V. - 1741
Sumarokova, T. N. - 1966, 2651
Sunin, A. N. - 575
Supin, G. S. - 363, 481, 657, 940, 1374, 1603
Surovtsev, V. I. - 965
Sushitskaya, T. M. - 940
Suvalova, E. A. - 936
Suvorov, A. L. - 840
Suvorov, N. N. - 1565
Suvorova, K. M. - 2013
Sviridov, É. P. - 10
Svishcheva, I. N. - 801
Sychkova, L. D. - 2258
Syrkin, V. G. - 2484, 2487
Syrtsova, Zh. S. - 790

T

Tachkova, E. M. - 150
Taktakishvili, M. O. - 1768
Talipov, G. Sh. - 2537, 2542
Tanaskov, M. M. - 828
Tandura, S. N. - 1367, 1866, 1867
Tantasheva, F. R. - 1378, 2097
Tarakhno, Z. N. - 889
Tarasov, B. P. - 121, 2230, 2447, 2666
Tarasova, N. P. - 675
Tarnorutskii, M. M. - 142
Tartakovskaya, L. M.- 102
Tarverdiev, Sh. A. - 409, 2631
Tarzivolova, T. A. - 1911
Tazeeva, N. K. - 1466
Tember, T. A. - 2651
Temkina, V. Ya. - 1530
Temnikova, G. S. - 989
Tenisheva, N. Kh. - 2481
Teplov, V. G. - 1359, 1602
Teplova, I. A. - 306
Terekhova, M. I.- 1499, 1862
Terent'eva, S. A. - 252, 513, 2292, 2515
Terent'eva, T. V. - 1441
Tikhomirova-Sidorova, N. S. - 1152
Tikhonina, N. A. - 2372
Tikhonov, V. S. - 2619
Tilichenko, N. N. - 1434
Timakova, L. M. - 1530
Timofeeva, G. I. - 2372
Timokhin, B. V. - 2508, 2517
Timoshchuk, V. A. - 947
Titov, V. V. - 234
Titova, S. N. - 306
Tkachev, A. S. - 467
Tkalenko, V. G. - 738, 743
Tochilkina, L. M. - 2085
Tolmachev, V. N. - 863
Tolmacheva, N. S. - 2709
Tolochko, A. F. - 1898, 2116
Tolopko, D. K. - 1883
Tolstikov, G. A. - 945, 1296, 2269, 2529, 2702

Tolstikova, O. A. - 671
Tomadze, A. V. - 578
Tonoyan, I. G. - 303
Torgasheva, N. A. - 992
Toropova, V. F.- 368, 638, 1329, 1335, 1535, 2319
Trachevskii, V. V. - 5
Trailina, E. P. - 398, 1631
Traven', V. F. - 694, 811, 817, 943
Travkin, N. N. - 303
Trentovskaya, L. K. - 657
Tret'yak, M. G. - 723
Tret'yakova, A. Ya. - 1741
Trifonova, Zh. P. - 2287
Trofimov, B. A. - 81, 2530, 2600
Trofimov, N. V. - 373
Troitskaya, A. D. - 241, 938, 1185
Trusov, A. A. - 2212
Tsapkova, N. N. - 743
Tsentovskii, V. M.- 1741
Tsetlina, E. O. - 801, 1171
Tsikanchuk, Ya. M.- 1833, 2548
Tsizin, Yu. S. - 1161, 1166
Tskalobadze, L. A. - 1075
Tskhadadze, K. A. - 1065
Tskhovrebashvili, V. S. - 1283
Tsotadze, M. V. - 2148
Tsukerman, S. V. - 1055
Tsveniashvili, V. Sh. - 1075
Tsvetaeva, L. V. - 2592
Tsvetkov, E. N. - 489, 706
Tsvetkova, Z. N. - 2226
Tsyskovskii, V. K. - 238
Tukaev, Z. A. - 530
Tul'chinskaya, L. S. - 911, 2240
Turetskya, R. A.- 795
Turovskii, A. A. - 844, 1121
Turovskii, I. V. - 613
Tur'yan, Ya. I.- 671, 1393, 1640, 2073, 2074, 2076, 2441
Tyutyunnikova, P. D. - 629

U

Ugulava, L. A. - 1539
Ugulava, M. M.- 2142
Ukhanov, S. E. - 1479
Ulakhovich, N. A. - 368, 638, 1329
Ulanova, T. A. - 853
Ul'yanova, A. I. - 1176
Urman, Ya. G. - 1730
Usachev, A. I. - 2520, 2521
Ushakova, T. M. - 150
Ushchenko, V. P. - 1993
Usov, A. I.- 442, 899, 1347, 1583
Ustinova, A. M.- 844
Utkina, L. S. - 1512
Uzhinov, B. M. - 263
Uzlova, L. A. - 1579

V

Vainshtein, B. I. - 1289
Vakhrushev, L. P. - 699, 1878
Vaks, E. A. - 1289
Vakulova, L. A.- 2454
Valetdinov, R. K. - 1908, 2339
Valiullina, V. A. - 1263
Vanin, A. F. - 196
Varakina, L. P. - 1094
Varezhkin, Yu. M. - 2410
Varvanina, G. V.- 2709
Vashkevich, V. A. - 230
Vasileiskaya, N. S. - 2392
Vasilenko, E. G. - 2401
Vasilenko, G. I. - 763
Vasil'eva, G. A. - 904
Vasil'eva, N. M. - 2287
Vasil'eva, T. V. - 293
Vasil'eva, V. N.- 230
Vas'kov, A. P. - 463
Vasneva, N. A.- 1023
Vasyanovich, G. P. - 472
Vdovin, V. M. - 61
Vdovina, R. G. - 948
Vegner, R. É. - 431
Vel'moga, I. S. - 1180
Verkhovod, N. N. - 2680
Verkhovod, V. M. - 2680
Veselkova, E. G. - 1094
Veselova, É. V. - 1195
Veselova, M. E. - 973
Vikhreva, L. A. - 717
Viktorov, E. A. - 1762
Viktorov, N. A. - 1875, 187[illegible]
Viktorova, E. N. - 2240
Vikulova, N. K. - 207, 448
Vinnik, G. I. - 2071
Vinogradov, L. I.- 26
Vinogradov, V. N. - 1995
Vinogradova, S. V. - 1261
Vinokurova, N. G.- 1372
Vironov, V. F. - 1867
Visel', A. O. - 507
Viter, I. P. - 1329
Vitman, M. G. - 2553
Vittal', É. É. - 1835
Vizel', A. O. - 1204
Vizgert, R. V.- 1103, 1517
Vlad, P. F. - 1850
Vlasov, G. P. - 1847
Vlasov, O. N. - 1810
Vlasov, V. M. - 1832
Vlasova, E. G. - 491
Vlasova, L. A. - 1720
Vlasova, N. N. - 1171, 1367, 1618
Voitsekhovskaya, O. M.- 1700, 1927
Volkov, A. F. -1819
Volkov, Yu. P. - 2246
Volkova, A. N. - 1
Volkova, L. G. - 150
Volkova, L. M. - 2167, 2171
Volkova, L. V. - 2265
Volnukhina, A. V. - 119
Volodarskii, L. B. - 1753
Volodin, A. A. - 32
Volodkovich, S. D. - 853, 1106, 1374
Voloshenyuk, T. N. - 655
Voloshin, M. P. - 1103
Volovel'skii, L. N. - 1137, 2051
Volovik, A. M. - 863
Vol'pin, M. E. - 150, 1841, 1958
Vorob'ev, G. I. - 1636
Vorob'ev, V. N.- 2537, 2542
Vorob'eva, É. M. - 1966
Vorob'eva, L. D. - 968, 973
Voronkov, M. G. - 81, 472, 551, 692, 801, 1171, 1366, 1367, 1618, 161[illegible] 1773, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1974, 2157, 2162, 2414, 2592, 2595, 2600
Vostokov, I. A. - 1971, 1989, 2193, 2196
Vostretsova, N. L. - 1420
Vovkotrub, É. G. - 954
Voznesenskaya, A. Kh. - 1215
Vul'fson, S. V. - 1805
Vyalykh, E. P. - 2530
Vyshinskii, N. N.- 236, 664
Vysotskii, V. I. - 1434

W

West, R. - 811, 817

X

Xuan, Lieu Tkhi - 1850

Y

Yablokov, V. A.- 575, 578
Yablokova, N. V. - 578
Yablonskii, O. P. - 171
Yafarova, R. L.- 520

Yakobson, G. G. - 1441
Yakovleva, I. M.- 2454
Yakovleva, M. Ya. - 1137, 2051
Yakubkova, M. - 2414
Yambushev, F. D. - 2481
Yamshchikov, A. V. - 1318
Yankelevich, R. G. - 99
Yankov, V. V. - 2404
Yaremenko, F. G. - 2680
Yarkova, É. G. - 515, 1177, 1605
Yarosh, O. G. - 551, 2157, 2414, 2592
Yaroshenko, G. F. - 1530
Yarotskii, S. V. - 899, 1347
Yas'kovyak, A. - 2548
Yasman, Yu. B. - 2030
Yastrebov, V. V. - 790
Yudelevich, V. I. - 1613, 2506
Yukhno, Yu. M. - 462, 935, 2369, 2507
Yulikova, E. P. - 2287
Yunnikova, L. P. - 1368
Yurchenko, É. N. - 351
Yurchenko, R. I. - 1700, 1705, 1927
Yurchenko, V. G. - 755, 1924
Yur'ev, V. P. - 945, 2269, 2529, 2703
Yurkevich, A. M.- 150, 192, 484, 773, 1181, 1841, 2047
Yurzhenko, T. I. - 1233
Yustratov, Yu. P. - 759
Yuzhakova, G. A. - 52, 1479

Z

Zadorozhnyi, B. A.- 2674
Zagorets, P. A. - 675, 2322
Zaitsev, P. M.- 1640
Zaitseva, G. S. - 78, 1372
Zaitseva, M. G. - 606
Zakharchenko, O. A.- 2484
Zakharkin, L. I.- 465, 581, 777, 1046, 1183, 1268, 1277, 1864
Zakharova, O. A. - 2644
Zakorova, L. Z. - 2606
Zalogina, E. A. - 599
Zamaletdinova, G. U. - 922
Zapesochnaya, L. G.- 2240
Zapunnaya, K. V. - 2205
Zaripov, Sh. I. - 1908, 2339
Zarubin, A. I. - 119
Zaslavskaya, T. N. - 1995
Zasorina, V. A. - 999
Zavogordnii, V. S.- 1620, 1874, 2421, 2523
Zavina, T. A. - 2487
Zavizion, S. Ya. - 1046, 1864
Zavlin, P. M.- 226, 1612, 1624, 2084
Zayakina, T. A. - 1777
Zdorova, S. N. - 2343
Zelenetskii, S. N. - 32
Zelentsov, V. V. - 2013
Zemlyanskii, N. I. - 463
Zemlyanskii, N. N. - 1497
Zenin, S. V. - 1309
Zevakin, I. A. - 2611
Zhdanov, A. A. - 2401
Zhdanov, S. I. - 157
Zhdanov, Yu. A. - 1300, 1579
Zhdanova, N. V. - 1636
Zhebarov, O. Zh. - 945, 2529
Zhestkov, V. P. - 690
Zhigareva, G. G. - 777, 1268
Zhikharev, Yu. N. - 1890
Zhilina, T. A. - 911
Zhilina, Z. I. - 384
Zhil'tsov, S. F. - 1759
Zhinkin, D. Ya. - 1069, 2410
Zhmurova, I. N. - 755, 999, 1002, 1700, 1705, 1924, 1927
Zhukov, M. A. - 331
Zhun', V. I. - 2695
Zhuravlev, E. F. - 493, 1894
Zhuravlev, E. Z. - 1030, 1570
Zhuravleva, I. K. - 493, 1187, 1390, 1894
Zimakova, E. A. - 1115
Zimin, M. G. - 26, 1212, 1409, 1414, 1420, 2362
Zinh, Nguyen Cong - 2019
Zinkovskii, A. F. - 243, 285
Zlot-skii, S. S. - 2700
Zolotareva, L. A. - 1226
Zontova, V. N.- 681
Zorina, E. N. - 303
Zubenko, A. A. - 474
Zubtsova, L. I. - 930
Zueva, G. Ya. - 2396
Zurabishvili, D. S. - 567
Zurzhunova, Z. Z. - 273
Zverkova, T. I. - 66, 2006
Zyablikova, T. A. - 224, 1403, 1950
Zyk, N. V. - 1424, 2128
Zykova, L. V.- 2116
Zykova, T. V. - 461, 1263, 1462, 1670, 1674, 1963

JOURNAL OF GENERAL CHEMISTRY
Volume 45, Numbers 1-12, 1975
(A translation of Zhurnal Obshchei Khimii)

Volume 45, Number 1, Part 1 January, 1975

Engl./Russ.

Interaction of Chromium-Containing Silica Gel with Phosphorus Trichloride – A. N. Volkova, A. A. Malygin, S. I. Kol'tsov, and V. B. Aleskovskii 1 3
Complex Formation in the System Vanadium(V)–Pyrocatechol–2-Aminopyridine – A. I. Astakhov, E. P. Klimenko, E. N. Knyazeva, and V. V. Trachevskii 5 7
Reactions of N-1,2,2,2-Tetrachloroethyl Carboxamides with Ethyl Diphenylphosphinite and with Triphenylphosphine – B. S. Drach, É. P. Sviridov, and A. V. Kirsanov 10 12
Stabilities of Certain Compounds Containing the Fragment O=P–C–OH – A. N. Pudovik and R. D. Gareev 14 16
P–C Alkylation in Phosphorus-Containing Aliphatic Diazo Compounds of the "Aldol" Type – A. N. Pudovik and R. D. Gareev. 19 22
Amino Phosphonate–Phosphoramidate Rearrangement of 1,1-Bis(dialkoxyphosphinyl)alkylamines – A. N. Pudovik, M. G. Zimin, I. V. Konovalova, V. M. Pozhidaev, and L. I. Vinogradov. 26 30
Synthesis of Alkoxypentakis(aryloxy)cyclotriphosphazotrienes and Products Based on Them – A. A. Volodin, S. N. Zelenetskii, V. V. Kireev, and V. V. Korshak 32 37
Phosphorus-Containing Thiouronium Derivatives. IV. Alkylation of Thiourea with Bis[2-(acylamino)ethyl] Hydrogen Phosphites – L. I. Mizrakh, L. Yu. Polonskaya, B. I. Bryantsev, T. A. Babushkina, and T. M. Ivanova 38 44
Rearrangement of Ethyldiphenylarsine Oxide – Yu. F. Gatilov, B. E. Abalonin, and Z. M. Izmailova 42 48
Organoboron Compounds. CCXCV. Permanent Allyl Rearrangement in Tris(3-methyl-2-butenyl)borane and 1-Allyl-5-(3-butenyl)-2-(chloromethylene)-3,3-dimethylborolane – B. M. Mikhailov, V. N. Smirnov, O. D. Smirnova, and V. S. Bogdanov 45 51
Organoboron Compounds. CCXCVI. Study of the Reactions of Lithium Tetrahydroborate with Trimethyl-, Tripropyl-, and Triisopropyl-boranes by the ^{11}B NMR Method – B. M. Mikhailov, P. M. Aronovich, and V. S. Bogdanov 49 56
Complex-Formation Reactions of Organoboron Compounds. V. Complex-Formation Reactions of Tris(o-alkoxyphenyl)boranes with 4-Aminopyridine – I. I. Lapkin, G. A. Yuzhakova, and S. N. Shurov. 52 59
Thermal Decomposition of Alkoxydiethylaluminums – L. P. Stepovik and I. A. Khamylova 54 61
Mass-Spectrometric Determination of the Rhenium–Oxygen Bond Energy in the Dirhenium Heptaoxide Molecule – G. A. Semenov, E. N. Nikolaev, and K. V. Ovchinnikov. 58 65
Thermal Decomposition and Dissociative Ionization of 4-Silaspiro[3.n]alkanes – N. S. Nametkin, L. E. Gusel'nikov, V. Yu. Orlov, N. N. Dolgopolov, P. L. Grinberg, and V. M. Vdovin 61 69

β-Metalated Enamines – M. A. Kazankova, T. I. Zverkova, M. Z. Levin, and I. F. Lutsenko	66	73
O- and C-Heteroorganic Isomers. XIX. Heteroorganic (Si, Ge, Sn) Derivatives of Methyl Phenylacetate – G. S. Burlachenko, Yu. I. Baukov, T. G. Dzherayan, and I. F. Lutsenko	73	81
O- and C-Heteroorganic Isomers. XX. Alkylation of α-Metalated (Si, Ge) Carboxylic Esters – G. S. Zaitseva, Yu. I. Baukov, T. A. Manukina, I. F. Lutsenko, and V. V. Egorov	78	86
Relative Reactivities of Acetylenic Compounds in the Hydrosilylation Reaction – V. B. Pukhnarevich, L. I. Kopylova, B. A. Trofimov, and M. G. Voronkov	81	89
Nitrogen-Containing Organosilicon Compounds. LI. Course of the Aminoalcoholysis of Bifunctional Alkylsilanes and the Acetylation of (2-Aminoethoxy)silanes – É. Lukevits and L. I. Simchenko	84	92
α,ω-Diepoxy Organosilanes – M. Sh. Sultanova and S. I. Sadykh-zade	89	98
Synthesis and Reactions of Some Heteroorganic Ethers of the Ethylene Series – I. A. Shikhiev, Ya. F. Nasirov, R. Yu. Gasanova, M. I. Shikhieva, and É. M. Movsum-zade	91	100
Convenient Method for the Preparation of Trihalogermane Ether Complexes, and Some New Reactions of These – V. F. Mironov and T. K. Gar.	94	103
Complex Compounds of Germanium Tetrabromide and Tetraiodide with Benzocaine and with Procaine – E. M. Belousova, V. N. Reznichenko, R. G. Yankelevich, and O. I. Navaly	99	108
Reactions of Methyldiphenylsilane with Alcohols in Presence of Tetramethylammonium Fluoride – K. A. Andrianov, L. M. Tartakovskaya, V. M. Kopylov, and Zh. N. Sementsova	102	112
Infrared Spectra of trans-Bis(dimethylglyoximato)isocyanatocobalt(III) Compounds – V. N. Shafranskii and A. A. Popova	106	116
Influence of the Formation of a Charge-Transfer Complex on the Polarographic Reduction Potentials of Nitrobenzene Derivatives – Ya. P. Stradyn' and I. Ya. Kravis	109	120
Synthesis and Properties of Charge-Transfer Complexes and Autocomplexes. IX. Synthesis of New Autocomplexes of the 2-Chloro-1,4-naphthoquinone Series with a Four-Membered Bridge – Ya. Ya. Dregeris, S. Ya. Bite, Ya. F. Freimanis, and A. Ya. Sparinya	112	123

Volume 45, Number 1, Part 2 January, 1975

Electronic Absorption Spectra of 4'-Substituted Flavones – V. D. Orlov, I. A. Borovoi, and V. F. Lavrushin	115	126
Donor Numbers of Aliphatic Alcohols – E. A. Kanevskii, A. I. Zarubin, G. R. Pavlovskaya, V. B. Rengevich, and A. V. Volnukhina	119	130
Intermolecular Hydrogen Bonding and the Conformations of Haloacetic Acids in Solutions. II – I. M. Ginzburg and B. P. Tarasov	121	132
Polarographic Behavior of Polynuclear Aromatic Dinitro Compounds with Bridge Groups – V. A. Il'ina, A. Sh. Glaz, G. M. Gal'pern, A. V. Ivanov, and S. S. Gitis	126	138
Quantum-Chemical Study of Diels–Alder Reaction. I. Inertness of Some Chlorine-Substituted Five-Membered Cyclic Compounds in Reaction with Cyclopentadiene – A. I. Naimushin, V. V. Simonov, and A. F. Anishchenko	129	141
[Vinyloxy)alkyl]triazenes. I. Rate of Hydrolysis of 3-Substituted 1-[2-(Vinyloxy)ethyl]triazenes – V. S. Sukhinin and A. P. Kozlov	132	145
Hydrogen-Bonded Complexes of Halophenols with Triethylamine – V. S. Pilyugin	136	149

Complex Formation of Halogen Derivatives of Aromatic Amines with Nitro Compounds. IX. Influence of a Bromine Atom in the Ortho Position of Aniline on Some Characteristics of the Complexes – V. N. Nagareva, É. G. Polle, and T. N. Shkurina 139 152
Reaction of Alkaline-Earth Metals with Ethylene Oxide in Liquid Ammonia – M. M. Tarnorutskii and N. V. Konyasheva 142 155
Charge-Transfer Complexes and the Electron Structure of Heteroorganic Compounds of Group VI Elements – G. A. Chmutova and T. A. Podkovyrina 145 158
Alkylation and Arylation of Olefins with Organic Derivatives of Chelates of Cobalt and Rhodium in Presence of Palladium(II) – M. E. Vol'pin, A. M. Yurkevich, L. G. Volkova, E. G. Chauser, I. P. Rudakova, I. Ya. Levitin, E. M. Tachkova, and T. M. Ushakova 150 164
Complex Formation of Halogen Derivatives of Aromatic Amines with Nitro Compounds. X. Investigation of Complexes of Substituted Anilines with 1,3,5-Trinitrobenzene by Means of Proton Magnetic Resonance – V. N. Nagareva, É. G. Polle, and N. K. Skvortsov 155 170
Polarography of Benzonitrile in Protogenic Media – A. A. Pozdeeva, V. A. Chernova, and S. I. Zhdanov 157 172
Spectrophotometric and Quantum-Chemical Study of Phenolcarboxylic Acids of the Triphenylmethane Series – E. G. Bol'shakova, K. I. Gur'ev, and R. K. Chernova 163 178
Influence of the Acid–Base Properties of Nonaqueous Solvents on the Difference of the Half-Wave Reduction Potentials of Anthraquinone – L. Ya. Kheifets, L. N. Bykova, N. A. Sobina, and V. I. Ionenko 168 183
Complex Formation of Copper(I) Salts with Olefins and Diolefins – O. P. Yablonskii, S. Yu. Pavlov, N. M. Rodionova, V. A. Stepanova, and É. G. Chekalova 171 186
Interaction of Some Aminoalkyl Methacrylates with Dibasic Acids – N. M. Grad and V. M. Kiseleva 175 191
Optical Spectra and Isomerism of Substituted Quinocarbocyanine Dyes – O. E. Petrenko, G. T. Pilyugin, and R. F. Stadniichuk 178 194
Synthesis of New Types of Polypyrrole Compounds – L. I. Fleiderman, A. F. Mironov, and R. P. Evstigneeva 181 197
Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XXXII. Metal Chelates of o-Mercapto and o-Selenyl Anils of Pyrrole- and Furan-carboxaldehydes – V. P. Kurbatov, A. D. Garnovskii, L. S. Minkina, I. Ya. Kvitko, V. P. Lin'kova, O. A. Osipov, and N. B. Sokolova 185 202
Electronic Absorption Spectra of Naphthalene 1,5-Disubstituted by Sulfur-Containing Groups – B. I. Stepanov, V. Ya. Rodionov, M. A. Andreeva, V. P. Perevalov, and L. I. Fomina 188 204
Reactions of Carbohydrates with Borylbenzylated DEAE-Sephadex – E. A. Ivanova, S. I. Panchenko, I. I. Kolodkina, and A. M. Yurkevich 192 208
Physicochemical Properties of Complexes of Protohemin with Substituted Histidine-Containing Peptides – V. N. Luzgina, E. I. Filippovich, R. P. Evstigneeva, and A. F. Vanin 196 212
Synthesis of the Hexapeptide Glycyl-D-alanyl-L-prolyl-L-valyl-L-lysyl-L-phenylalanine – L. V. Fedorova, E. M. Skrynik, and N. Ya. Krasnobrizhii 200 216
Synthesis and Investigation of Compounds with Potential Biological Activity. XIII. Cancerolytic Esters of Diastereoisomers of 4-Hydroxy-DL-glutamic Acid – N. G. Evstigneeva and L. V. Alekseeva 203 219
ESR Spectra of Copper(II) Chelate Compounds of β-Dicarbonyl Compounds Derived from (–)-Camphor – G. M. Larin, V. A. Kolosov, G. V. Panova, and N. K. Vikulova 207 222
Alloxazine and Isoalloxazine Derivatives. XXXIX. Synthesis fo 1,5-Dihydroriboflavine Esters – T. P. Fetisova, A. P. Egorina, and V. M. Berezovskii 210 226
B. N. Menshutkin. Tribute on the Centenary of His Birth – E. I. Denisov and V. P. Shishokin 216 232

LETTERS TO THE EDITOR

Formation of Positive Benzene Ions on the Surface of Titanium- and Aluminum-Containing Silicas Prepared by the Molecular-Coating Method – V. N. Pak, S. I. Kol'tsov, and V. B. Aleskovskii 218 234

Reaction of Acetyl Diethyl Phosphite with Pyruvonitrile – I. V. Konovalova, É. Kh. Ofitserova, and A. N. Pudovik 219 235

Migration of the Trimethylsilyl Group in [(Trimethylsiloxy)phosphoranylidene]hydrazono Compounds – A. N. Pudovik and R. D. Gareev 220 235

syn–anti Isomerism of Methyl [(Diethoxyphosphinyl)hydrazono]acetate – A. N. Pudovik and R. D. Gareev 221 236

Synthesis of Phosphorus-Containing Azo Dyes – K. A. Petrov, V. A. Chauzov, T. S. Erokhina, and L. P. Chernobrovkina 223 237

Adduct of Trimethyl Phosphite with 2-Nitro-2-butene – E. E. Borisova, R. D. Gareev, T. A. Zyablikova, and I. M. Shermergorn 224 238

Influence of the Isopropyl Group on the Conformational Compositions of Isopropyl Phenyl Methylphosphonate and Phenyl N-Isopropyl-P-methylphosphonamidate – P. M. Zavlin, L. A. Ashkinazi, V. M. Shek, and Ya. L. Ignatovich 226 239

Reactions of Olefins With Phosphorus Tribromide under the Action of Oxygen – S. V. Fridland and M. V. Pobedimskaya 227 240

4-[(Triphenylphosphoranylidene)methyl]benzophenone: Its Preparation and Properties – V. N. Listvan 228 240

Reactions of Dialkyl (2,3-Epoxypropyl)phosphonates with Amines – A. P. Rakov, G. F. Andreev, and A. V. Alekseev 229 241

Interaction of π-Allyl Complexes of Nickel with Electron-Donor Compounds – V. N. Vasil'eva, S. G. Alekseeva, and V. A. Vashkevich 230 242

Reactions of Dialkyl Hydrogen Phosphites with Silazanes – E. A. Chernyshev, E. F. Bugerenko, A. S. Akat'eva, and A. D. Naumov 231 242

Covalent Hydration of s-Triazines – B. A. Korolev, M. A. Mal'tseva, and N. A. Andronova 232 243

Preparation and Properties of Liquid-Crystal Compounds of the para-Substituted Benzonitrile Class – V. T. Lazareva, V. V. Titov, and E. I, Kovshev 234 244

Copyrolysis of Diisopropylnickelocene and Bis(ethylbenzene)chromium – L. M. Pudeev, L. M. Dyagileva, and Yu. A. Aleksandrov 235 245

Products of the Mercuration of Aldehydes – O. S. Morozov, L. M. Dyagileva, N. N. Vyshinskii, and Yu. A. Aleksandrov 236 246

Solid-Phase Synthesis of an Oligonucleopeptide Containing an Unvaried Block of 3-(1-Uracilyl)alanine Residues – Yu. P. Shvachkin, Yu. A. Semiletov, G. A. Korshunova, and G. P. Mishin 237 247

Probable Mechanism of Chain Initiation in Unbranched Chain Oxidation Reactions of Organic Substances Catalyzed by Homogeneous Metal Compounds – V. K. Tsyskovskii, V. S. Fedorov, and Yu. L. Moskovich 238 248

Synthesis of Trimethylsilyl Tetraethylphosphorodiamidite – A. N. Pudovik, É. S. Batyeva and V. A. Al'fonsov 240 248

Complex Compounds of Palladium(II) with Phosphonites – A. D. Troitskaya, G. A. Levshina, I. A. Krivosheeva, and L. F. Gogolyukhina 241 249

Volume 45, Number 2, Part 1 February, 1975

Reaction of Dimethyl Hydrogen Phosphite with Tetracyclone in Presence of Catalysts – B. A. Arbuzov, A. V. Fuzhenkova, and A. F. Zinkovskii 243 257

Alkylation of Trialkyl (Dialkoxyphosphinothioyl)phosphorimidates by Dimethyl Sulfate – A. A. Khodak, V. A. Gilyarov, and M. I. Kabachnik 248 262

Engl./Russ.

Preparation and Some Properties of 3-Phosphorylated 2,2-Dihydro-1,3,2-benzoxazaphospholes – M. A. Pudovik, S. A. Terent'eva, Yu. Yu. Samitov, and A. N. Pudovik 252 266

Reactions of Dialkyl Phenylphosphoramidites with α,β-Unsaturated Systems Containing a Carbonyl Group – A. N. Pudovik, É. S. Batyeva, and Yu. N. Girfanova 257 272

Reactions of Bis-2-chloroethyl Hydrogen Phosphite with Ketones of Piperidine Series – I. N. Azerbaev, B. Zh. Dzhiembaev, Sh. E. Ismailova, and D. B. Abiyurov 260 275

ortho Effects in Triarylphosphines. III. Luminescence Spectra – N. A. Rozanel'skaya, A. I. Bokanov, B. M. Uzhinov, and B. I. Stepanov 263 277

O-Aryl P-(Chloromethyl)phosphonamidothioates – A. F. Grapov, T. F. Kozlova, and N. N. Mel'nikov 266 280

Aryl Phosphorodiiodidites – N. G. Feshchenko and V. G. Kostina 269 283

Study of the Electron-Donor Power of the Phosphoryl Group in Some Trichloromethyl Derivatives of Phosphorus(V) by Means of IR Spectroscopy – I. P. Lipatova, Z. Z. Kurzhunova, F. M. Kharrasova, and V. D. Efimova 273 287

Synthesis of O-Alkyl (Trichloromethyl)phosphonochloridothioates and O,O-Diethyl (Trichloromethyl)phosphonothioate – O. N. Grishina and L. M. Kosova 276 289

Synthesis and Repellent Properties of Some Halovinyl Phosphates – K. V. Nikonorov, É. A. Gurylev, G. A. Kashafutdinov, and V. A. Nikonenko 279 292

Reaction of Phosphorodiamidous Acids with Diphosphorus Pentasulfide – É. E. Nifant'ev, I. V. Shilov, V. S. Blagoveshchenskii, and I. V. Komlev 282 295

Reaction of Dimethyl Hydrogen Phosphite with Tetracyclone in Absence of Catalysts – B. A. Arbuzov, A. V. Fuzhenkova, and A. F. Zinkovskii 285 299

Synthesis of SS-(Aminoalkyl) Phosphoro(dithioperoxoates) – S. A. Grachev, E. V. Kropachev, G. I. Litvyakova, and G. N. Bondarev 289 302

Phosphorus-Containing Intermediate Products and Dyes. I. Synthesis Based on the Nitration of Aliphatic–Aromatic Phosphine Oxides – V. V. Kormachev, T. V. Vasil'eva, B. I. Ionin, and V. A. Kukhtin 293 307

Reaction of Sodium Hypophosphite with Alkyl Hydrogen Maleates – V. A. Al'fonsov, L. K. Stefanovskaya, and A. N. Grebnev 300 314

Thermographic Investigation of Organometallic Compounds. IV. Thermal Decomposition of Alkylgallium Compounds – N. N. Travkin, B. G. Gribov, V. P. Rumyantseva, I. G. Tonoyan, and E. N. Zorina 303 316

Thermal-Decomposition Reactions of π-Allylhalopalladiums – G. A. Domrachev, K. G. Shal'nova, S. N. Titova, and I. A. Teplova 306 319

Dipole Moments of Tertiary Arsine Sulfides – A. S. Gel'fond, Yu. G. Galyametdinov, A. N. Saksonova, and B. D. Chernokal'skii 309 321

Organoboron Compounds. CCXCVII. Intermolecular Permanent Allyl Rearrangement in Exchange Reactions of Allylboranes Catalyzed by (Alkylthio)- and Halo-boranes – B. M. Mikhailov, Yu. N. Bubnov, and V. S. Bogdanov 311 324

Organoboron Compounds. CCXCVIII. Study of Intermolecular Permanent Allyl Rearrangement in Exchange Reactions of Allylboranes with Alkyl Borates and Boron Trichloride by the PMR and ^{11}B NMR Methods – B. M. Mikhailov, Yu. N. Bubnov, and V. S. Bogdanov 319 333

Preparation, Magnetochemistry, and Infrared Spectrum of (Pyridine)thiocyanatocopper – Babu Ram S. Sengar and Gopal Narain 325 339

Reactivity of h^3-Allyl Complexes of Transition Metals — L. F. Shelokhneva, I. A. Poletaeva, N. A. Kartsivadze, and V. A. Kormer 327 340
Possible Quantitative Combination of Radicals Linked with a Central Heteroelement Atom. XVI. Sulfur- and Selenium-Containing Organosilicon Compounds with Complex Radicals — I. I. Lapkin, I. S. Rogozhnikova, and M. A. Zhukov. 331 344
Synthesis of 2-[3-(Trimethylsilyl)-2-propynyloxy]ethanol and Some of Its O-Derivatives — S. F. Karaev, I. A. Shikhiev, A. K. Khabibova, and Sh. V. Garaeva. 334 346
Reactions of Hexamethyldisilathiane with Phenols and Their Substitution Products — E. P. Lebedev, V. A. Baburina, and V. O. Reikhsfel'd 337 348
Basicities of Organosilicon Amines — K. A. Andrianov, V. M. Kopylov, A. I. Chernyshev, S. V. Andreeva, and I. S. Shragin 340 351
Electron Redistribution in N-Benzylideneaniline on Protonation and Complex Formation — V. A. Kogan, N. N. Kharabaev, and O. A. Osipov ... 346 357
Electron Redistribution in Azobenzene on Protonation and Complex Formation — V. A. Kogan, N. N. Kharabaev, O. A. Osipov, and É. N. Yurchenko 351 362
Acid-Ionization Constants of Derivatives of P,P-Bis-1-aziridinyl-N-benzoylphosphinic Amide — N. D. Denisov, L. D. Protsenko, and T. M. Chernova 355 366
Reactions of Aliphatic Diazo Compounds. XXII. Polarographic Behavior of α-Diazo Ketones — L. D. Gomza, G. S. Posyagin, G. B. Petrova, N. A. Kolobov, and A. L. Fridman 358 369

Volume 45, Number 2, Part 2 February, 1975

Anodic Polarography of Sulfur-Containing Organic Compounds. II. 2-Benzoxazolinethiones Substituted in the Nucleus and on the Nitrogen Atom — G. S. Supin, N. L. Poznanskaya, V. G. Blinova, and N. L. Shvetsov-Shilovskii 363 374
Polarographic Behavior of Complex Compounds of Manganese with Dithiocarbamates in Dimethylformamide — V. F. Toropova, G. K. Budnikov, and N. A. Ulakhovich 368 380
Structure and Reactivity of Some 4,4'-Methylenebisantipyrine Derivatives and Dyes Based on Them — N. V. Trofimov, N. A. Kanaev, and A. I. Busev 373 385
1,4-Benzodiazepines, Their Cyclic Homologs and Analogs. XI. Structure and Properties of 1,6-Benzodiazonine Derivatives — S. A. Andronati, O. P. Rudenko, and A. V. Bogat-skii. 377 389
1,4-Benzodiazepines, Their Cyclic Homologs and Analogs. XVII. Synthesis and Properties of 3-(Arylmethylene)- and 3-(Heterylmethylene)-1,3-dihydro-2H-1,4-benzodiazepin-2-ones — A. V. Bogat-skii, S. A. Andronati, Z. I. Zhilina, O. V. Kobzareva, P. A. Sharbatyan, R. Yu. Ivanova, and T. K. Chumachenko. 384 396
Electrochemical Reduction of Nitrobenzene and Some of Its Substitution Products in Dimethylformamide — Yu. M. Kargin, N. I. Semakhina, and B. V. Mel'nikov 389 401
IR Spectra and Structure of Substituted Salicylanilides — L. I. Kosheleva, I. E. Shumakovich, and A. F. Bekhli 395 407

	Engl./Russ.	
Crystal Structure of Complex Compounds of Indium and Gallium with Azomethines – L. I. Shamaiko, S. S. Lyapina, I. I. Danilicheva, E. P. Trailina, and I. A. Savich	398	411
Extraction of Metals with Organic Salts of Quaternary Ammonium and Phosphonium Bases – M. L. Navtanovich and V. L. Kheifets	401	413
Complex Compounds of Bicyclic Amidines Containing Nitrogen Atoms in Different Condensed Rings with Some Transition-Metal Salts – V. M. Dziomko and A. V. Ivashchenko	405	418
Organosilicon Nitriles Containing an Si–H Bond – M. I. Radzhabov, Sh. A. Tarverdiev, R. A. Sultanov, and I. A. Khudayarov	409	422
Hydrogen Bonding in Complexes of 2-Furaldehyde with Cresols – I. M. Bokhovkin and B. K. Semenov	412	424
Influence of Electron-Acceptor Substituents on the Proton-Donor Power of the NH Group in N-Naphthylacetamides – A. E. Lutskii, N. A. Kriveleva, and G. G. Sheina	415	427
Influence of the Selective Methylation of the Hydroxyls on the Properties of 2,4-Dihydroxybenzoic Acid – A. E. Lutskii, N. A. Kriveleva, E. M. Obukhova	420	432
Radiation Chemistry of Carbohydrates. XVIII. Formation of Deoxy Sugars in the Radiolysis of Amino Sugars – L. I. Kudryashov and T. M. Senchenkova	426	439
Mechanism of the Formation of Dipyrrylmethenes – L. I. Fleiderman, A. F. Mironov, and R. P. Evstigneeva	428	440
Synthesis of [1-Glycinamide,2-carbonylarginine]angiotensin II, an Analog of Angiotensin II Containing the C-End Dipeptide of Arginine-Vasopressin – R. É. Vegner and G. I. Chipens	431	444
Alkylating Derivatives of Components of Nucleic Acids. XVII. p-(Methoxysulfonyl)phenethyl Esters of 5'-Nucleotides – N. I. Grineva, T. S. Lomakina, and E. G. Saikovich	436	449
Polysaccharides of Algae. XV. Dyed Substrate for the Determination of Agarase Activity – A. I. Usov and L. I. Miroshnikova	442	455
N'-Aryl-N,N-bis(2-chloroethyl)-N''-(2,3-dimethyl-5-oxo-1-phenyl-3-pyrazolin-4-yl)phosphoric Triamides – V. M. Ovrutskii	446	460
Camphor Derivatives. XIII. Spectral and Spectropolarimetric Investigations of Chelate Compounds of Copper from Keto Enamines Derived from (–)-Camphor – V. M. Potapov, G. V. Panova, and N. K. Vikulova	448	462
LETTERS TO THE EDITOR		
New Type of Amide–Imide Tautomerism – R. D. Gareev and A. N. Pudovik	455	469
Reactions of 1,3,2-Oxazaphospholidines with Aliphatic Aldehydes – M. A. Pudovik, L. K. Kibardina, and A. N. Pudovik	456	470
Dipole Moments and Conformations of O,O-Dialkyl S-Triethylstannyl Phosphorodithioates – É. A. Ishmaeva, R. A. Cherkasov, L. P. Ivantaeva, and I. V. Bykova	457	470
Dichloroisocyanatobis(trichloromethyl)phosphorane – É. S. Kozlov, S. N. Gaidamaka, and L. I. Samarai	458	471
Reactions of N-(2,2,2-Trichloroethylidene)arenesulfonamides with Triethyl Phosphite – B. S. Drach and O. P. Lobanov	459	472
Prototropic Isomerization of Some Alkenylenebisphosphorous Compounds – V. V. Moskva, A. I. Razumov, Z. Ya. Sazonova, T. V. Zykova, and R. A. Salakhutdinov	461	473
Acetylation and Benzoylation of Phosphorylated Imidic Esters – V. E. Shishkin, Yu. M. Yukhno, and B. I. No	462	474
Alcoholysis of Potassium O,O-Diaryl Phosphorodiselenoates – N. I. Zemlyanskii, L. M. Dzikovskaya, and A. P. Vas'kov	463	474
Reactions of Bis[(acetylacetonato)tricarbonylrhenium] with Nucleophiles – A. A. Ioganson	464	475

Synthesis of 1'-Arylcyclopentadienyl-(3)-1,2-dicarbollylcobalts and the Determination of the Electronic Effects of the $B_9C_2H_{11}Co^{III}C_5H_4$ Group – L. I. Zakharkin and R. Kh. Bikkineev. 465 476
Catalytic Rearrangement of Silyl-m-carbaboranes – V. V. Korol'ko, V. I. Lebedeva, and V. P. Mileshkevich 466 476
Reactions of Carboxylic Acid Chlorides with Isocyanatotrimethylsilane. New Method for the Preparation of Acyl Isocyanates – V. F. Mironov, V. P. Kozyukov, A. S. Tkachev, and E. K. Dobrovinskaya 467 477
Acylation of O-Silyl Enols with Haloacetic Anhydrides – E. P. Kramarova, Yu. I. Baukov, and I. F. Lutsenko 469 478
New Method for the Preparation of (Carbamoyloxy)silanes – V. D. Sheludyakov, A. D. Kirilin, and V. F. Mironov 471 479
Orthosilicic Esters of Carbohydrates – M. G. Voronkov, G. P. Vasyanovich, and A. I. Polyakov 472 480
Retro Diels–Alder Synthesis "on Matrices" – G. I. Danilenko, V. M. Buzashch, and S. S. Butsko. 473 480
Transformations of Diacetone Alcohol in Reaction with Sodium Acetylides – I. I. Popov and A. A. Zubenko 474 481
Role of Electron Transfer in the Yanovskii Reaction – I. M. Sosonkin, A. Ya. Kaminskii, and G. N. Strogov 475 482
Reactions of Free Methyl Cations with Some Organosilicon Compounds – V. D. Nefedov, N. P. Kharitonov, E. N. Sinotova, T. A. Kochina, and M. V. Korsakov 477 483
Synthesis of Biuret Orthophosphate – A. G. Koryakin, A. N. Sarbaev, and V. A. Gal'perin 479 484
Destructive Symmetrization of Monosubstituted Acetylenes under the Influence of Transition-Metal Complexes – G. A. Chukhadzhyan and N. A. Gevorkyan . . . 480 484
Reactions of Isoperthiocyanic Acid [5-Amino-3H-1,2,4-dithiazole-3-thione] with Hydrazines. Reactions with Dimethylhydrazines – O. M. Astakhova, G. S. Supin, O. S. Martynova, N. P. Lyalyakina, and N. I. Shvetsov-Shilovskii 481 485
Question of the Existence of a Reversible Bis(ethylbenzene)chromium–Oxygen Complex – Yu. A. Aleksandrov, V. M. Fomin, V. Ya. Bordzilovskii, and A. V. Lunin 482 486
Role of the Bridge Oxygen of the Ribose Ring in the Transmission of Effects of the Aglycon on the Reactivity of the Co–C Bond – T. A. Pospelova, I. P. Rudakova, and A. M. Yurkevich 484 487
Phosphorylation of Adenosine with Phosphorous Amides and Carbamoyl Phosphoramidites – L. P. Andrianova and É. E. Nifant'ev 485 488
Infrared Spectra of Methyl Esters of Higher α-Hydroxy Carboxylic Esters in the Crystalline State – V. P. Sokolov, Yu. P. Buravchuk, V. A. Kogan, and O. A. Osipov 487 489
Dialkyl (2-Chloroethyl)(isocyanatomethyl)phosphoramidates – E. S. Gubnitskaya and Z. T. Semashko. 488 489

DISCUSSIONS
"p–π Conjugation Energy" in Arylphosphines – E. N. Tsvetkov 489 490
Remarks on the Article "Donor–Acceptor Properties of Organosilicon Compounds" by V. E. Lelikova, V. N. Knyazev, E. G. Vlasova, and V. A. Drozdov – A. Ya. Deich. 491 492

Engl./Russ.

Volume 45, Number 3, Part 1 March, 1975

Phase Equilibria in Three-Component Liquid-Phase Systems Containing Three Binary Layer-Formation Regions with Upper Critical Solution Temperatures. I. 3,3'-Oxybispropionitrile–Water–Pentyl Alcohol System – E. F. Zhuravlev, I. K. Zhuravleva, and N. M. Cherkasova 493 497

Ternary Reciprocal System of Lithium and Sodium Formates and Acetates – É. I. Pochtakova 498 503

Thermal Stabilities of Thiourea Complexes of Neodymium, Samarium, Europium, and Gadolinium – Yu. G. Sakharova, N. N. Sakharova, and G. M. Borisova 501 506

Reactions in the Ternary System Phosphorus Trichloride–Diene–Acetone – B. A. Arbuzov, A. O. Vizel', R. S. Giniyatullin, L. I. Shchukina, and N. P. Anoshina 507 512

Reactions of Phosphorus(III) Acid Amides with Tetrahydro-1,3,2-oxazaphosphorines – M. A. Pudovik, S. A. Terent'eva, and A. N. Pudovik 513 518

Complex Formation of Organophosphorus Ligands with Alkylhalostannanes. Equilibrium Constants – A. N. Pudovik, A. A. Muratova, N. R. Safiullina, É. G. Yarkova, and V. P. Plekhov 515 520

Investigations on Phosphinic and Phosphinous Derivatives. XCIII. Synthesis of C-Phosphorylated Alkylcarbamic Esters and Alkylureas by Lossen and Curtius Rearrangements – O. A. Mukhacheva, V. G. Nikolaeva, R. L. Yafarova, M. A. Shchelkunova, and A. I. Razumov 520 526

Preparation of O,O-Dialkyl Phosphorochloridoselenoates – I. A. Nuretdinov, L. K. Nikonorova, N. P. Grechkin, and R. G. Gainullina 526 533

Vibrational Spectra and Structure of Some 1,3-Thiaphosphetane Derivatives – R. R. Shagidullin, I. Kh. Shakirov, Z. A. Tukaev, I. M. Shermergorn, and É. Kh. Mukhametzyanova 530 536

"Bisethoxycarbonylmethylenephosphites" [(Trialkoxyphosphoranylidene)-malonates and Their Analogs]. II. Synthesis from (Bisethoxycarbonylmethyl)-phosphonites [Diethyl (Dialkoxyphosphino)malonates] – O. I. Kolodyazhnyi, L. A. Repina, and Yu. G. Gololobov 535 541

"Bisethoxycarbonylmethylenephosphites" [Diethyl Phosphoranylidenemalonates] III. Phosphine Imide–Ylide Tautomerism – O. I. Kolodyazhnyi 539 546

Thermal Decomposition of 2-(2-Acetamidoethoxy)- and 2-(3-Acetamidopropoxy)-1,3,2-dioxaphospholanes – L. I. Mizrakh, L. Yu. Polonskaya, T. A. Babushkina, and B. I. Bryantsev 542 549

Preparation and Thermal Stability of Nitrilotrimethylphosphonates [(Nitrilotrismethylene)trisphosphonates] of Group II Elements – L. V. Nikitina, N. F. Shugal, A. I. Grigor'ev, and N. M. Dyatlova 546 552

Donor–Acceptor Properties of Methylphenoxysilanes and (Aryloxy)ethynyldimethylsilanes – M. G. Voronkov, N. I. Shergina, N. V. Strashnikova, O. G. Yarosh, and É. I. Kositsyna 551 558

O- and C-Heteroorganic Isomers. XVIII. Addition of Compounds Containing a P–H Bond to (Trialkylsilyl)- and (Trialkylgermyl)-ketenes – A. S. Kostyuk, N. I. Savel'eva, Yu. I. Baukov, and I. F. Lutsenko 556 563

Stannyl- and Silyl-Substituted Cyclopentadienes in Diels–Alder Reaction with Silyl and Stannyl Esters of Unsaturated Acids – N. S. Fedotov, V. I. Grigos, A. V. Kisin, S. Ya. Pechurina, I. G. Rybalka, and V. F. Mironov 563 571

Method for the Preparation of Silicon-Containing Acetylenic Ferrocene Derivatives – I. M. Gverdtsiteli, L. P. Asatiani, and D. S. Zurabishvili 567 577

Synthesis and Reactions of Silicon-Containing Derivatives of Cyclopentadiene. VII. Condensation of Chlorocyclopentadienylsilanes with Maleic Anhydride – I. M. Shologon, G. A. Musienko, M. K. Romantsevich, and É. Ya. Kuznetsova 570 579
Relative Migrational Tendencies and the Course of Reaction in Rearrangements of Organosilicon Peroxides – S. E. Skobeleva, S. Ya. Khorshev, V. A. Yablokov, and A. N. Sunin 575 585
Organic Peroxy Compounds of Group IV Elements. XV. Thermal Decomposition of the Organosilicon Peroxides $R_3SiOOCH(CH_3)C_6H_5$ – V. A. Yablokov, N. V. Yablokova, A. V. Tomadze, and Yu. A. Aleksandrov. 578 588
Investigation of Tin and Lead Derivatives of Carbaboranes by the PMR Method – L. A. Fedorov, V. N. Kalinin, K. G. Gasanov, and L. I. Zakharkin 581 591
Keto–Enol Transofmrations in the Gas Phase, and the Temperature Dependence of Mass Spectra – G. M. Bogolyubov, Ya. V. Gal'perin, and N. N. Grishin 588 599

Volume 45, Number 3, Part 2 March, 1975

Investigation of Aromatic Amines by the Method of Oxidative Polarography. V. 9-(Aminoaryl)acridines and Their Quaternary Salts – Yu. I. Beilis, O. P. Chupakhin, V. L. Rusinov, and V. D. Bezuglyi 595 606
Electrochemical Reduction of Polychlorobenzenedisulfonic Acids – E. A. Zalogina, E. Yu. Khmel'nitskaya, G. A. Mezentseva, and N. S. Dokunikhin 599 611
Some Cationic Surface-Active Substances of the 1-[(Decyloxycarbonyl)methyl]-piperidinium Group – V. P. Rudi, V. S. Buryak, V. I. Podol'skaya, and N. I. Ganushchak. 602 614
Intramolecular Hydrogen Bond in 1-Alkoxy- and 1-(Alkylthio)-3-amino-2-propanols – K. I. Petrov, M. G. Zaitseva, A. M. Kuliev, M. A. Allakhverdiev, E. Ya. Borisova, and E. M. Cherkasova 606 618
Hydrogen Bonds of Amides. III. Infrared Spectra of Complexes of Thioamides with Bases – I. M. Ginzburg and N. N. Bessonova. 610 622
Synthesis and Properties of Charge-Transfer Complexes and Autocomplexes. XI. Electronic Spectra of Autocomplexes Based on Polynitrobenzenes – L. É. Berzin', I. V. Turovskii, Ya. Ya. Dregeris, and Ya. F. Freimanis. 613 626
Infrared Spectra and Thermal Stability of Compounds of Dirhodium Tetraacetate with Pyridine Derivatives – T. A. Mal'kova and V. N. Shafranskii 618 631
Dissociation Constants of Metal Hydroxocomplexonates – É. A. Polyak 622 635
Relations Involved in Calculations of Equilibrium and Stability Constants of Complexes of Metal Ions with Organic Ligands – V. D. Salikhov and P. D. Tyutyunnikova . . . 629 643
Manifestation of Acceptor Properties by Acylamino Groups. Comparison of Absorption Spectra and Ionization Constants of p-(Dimethylamino)anilides – O. I. Lobova and V. A. Izmail'skii. 633 647
Stabilities of Complex Compounds of Zinc, Nickel, and Cadmium with Derivatives of Dithiocarbamic Acid in Dimethylformamide – V. F. Toropova, G. K. Budnikov, and N. A. Ulakhovich 638 653
Thermodynamics of the Reactions of the Formation of Hydrogen-Bonded Complexes in Phenol–Amine Systems – T. I. Perepelkova, É. S. Shcherbakova, I. P. Gol'dshtein, and E. N. Gur'yanova 641 656
Proton-Donor Power of a C–H Group in an Intramolecular Hydrogen Bond – A. E. Lutskii, N. A. Kriveleva, A. V. Shepel', V. K. Pogorelyi, G. G. Sheina, and A. I. Mitichkin 647 663
Synthesis and Spectra of Bislepidinium Quaternary Salts – I. N. Chernyuk, L. I. Rogovik, T. N. Voloshenyuk, and G. T. Pilyugin 655 672

Reactions of Substituted 1,3-Benzoxathiol-2-ones with Hydrazines – L. G. Matveev, N. I. Shvetsov-Shilovskii, M. R. Pitina, G. S. Supin, and L. K. Trentovskaya 657 675
Complex Formation of Halogen Derivatives of Aromatic Amines with Nitro Compounds. XI. Influence of a Substituent in the Ring of Aniline on Complex Formation with Nitrobenzenes – V. N. Nagareva, É. G. Polle, and T. N. Shkurina 661 678
Molecular Complexes of α-Cumyl Hydroperoxide with Primary Aromatic Amines – Yu. A. Aleksandrov, N. N. Vyshinskii, E. I. Solov'eva, O. S. Morozov, and B. V. Sul'din 664 681
Polarographic Study of Some β-Diketones – O. V. Meshkova, V. D. Dmitrieva, and V. D. Bezuglyi 667 684
Mechanism of the Polarographic Reduction of Hydrazones of Aliphatic Carbonyl Compounds – Ya. I. Tur'yan and O. A. Tolstikova. 671 688
Radiation-Induced Synthesis of Higher Aliphatic Ketones – N. P. Tarasova, P. A. Zagorets, A. G. Shostenko, A. M. Dodonov, and V. E. Myshkin 675 693
Reactions of Dihydropyridines with Potassium Ferricyanide. II. Catalytic Action of Glycine in the Oxidation of 1-Benzyl-1,4-dihydronicotinamide – O. M. Grishin . . 678 696

LETTERS TO THE EDITOR

Synthesis of Silylestrogens – V. N. Zontova, V. M. Rzheznikov, and K. K. Pivnitskii. . . . 681 699
Reactions of Dialkyl Hydrogen Phosphites with Silylamines – M. A. Pudovik, M. D. Medvedeva, and A. N. Pudovik 682 700
Reactions of Tetrahydro-1,3,2-oxazaphosphorine 2-Oxides and 2-Sulfides with Phosphorus Triamides – M. A. Pudovik, M. D. Medvedeva, and A. N. Pudovik . . . 683 700
Localization Centers of Donor–Acceptor Bond in Complexes of Tin Halides with Phosphorus Acid Amides – I. Ya. Kuramshin, Sh. Sh. Bashkirov, A. A. Muratova, R. A. Manapov, A. S. Khramov, and A. N. Pudovik 684 701
Hydrolysis and Alcoholysis of 1-Ethyl-1,1-dihydro-1,1-(o-phenylenedioxy)-3-phospholene – N. A. Razumova, N. A. Kurshakova, and A. A. Petrov 686 702
Phosphinyl-Substituted Sulfoxonium Ylides – O. I. Kolodyazhnyi, V. P. Lysenko, and Yu. G. Gololobov. 688 703
Reactions of Sulfoxonium Ylides with Magnesium Halides – O. I. Kolodyazhnyi 689 704
Synthesis of Higher Alkyl Pyrrolyl Ketones – V. P. Zhestkov, A. F. Mironov, and R. P. Evstigneeva. 690 705
Products of the Reaction of Hydrogen Fluoride with Hexamethylenetetramine – A. A. Énnan, O. M. Brazovskaya, and A. N. Chobotarev 691 706
1,1'-Diacetylferrocene 2,4-Dinitrophenylhydrazones – M. G. Voronkov, A. Kh. Filippova, É. I. Dubinskaya, and G. A. Prokop'eva 692 706
Synthesis of Derivatives of 1,6-Dioxa-4,9-diaza-2,7-disilacyclodecane-5,10-dione – V. D. Sheludyakov, A. D. Kirilin, and V. F. Mironov. 693 707
Spectra of Charge-Transfer Complexes and Electronic Interactions in Silicon-Containing Sulfides – V. F. Traven', M. I. German, and B. I. Stepanov 694 707
Reactions of Heteroorganic (Si, Ge) Ketenes with Stable Phosphoranes – V. Yu. Orlov, S. A. Lebedev, S. V. Ponomarev, and I. F. Lutsenko. 696 708
Racemization of (–)-Methyl[(–)-menthyloxy]-1-naphthylphenylsilane – V. O. Reikhsfel'd, N. I. Flerova, N. A. Filippov, and I. E. Saratov 698 710
O-Organosilyl and O-Organostannyl Derivatives of DL-Pantolactone – L. P. Vakhrushev, I. S. Akchurina, V. T. Panyushkin, and A. A. Karepov. 699 710
Oxidative Properties of Chloroorganosilanes – V. I. Koshutin, L. N. Maksimova, V. A. Smirnov, and V. I. Emyashev 700 711
Preparation of (2-Alkoxy-2-chlorovinyl)chloromercurys – M. A. Kazankova, T. Ya. Satina, and I. F. Lutsenko. 701 712

Volume 45, Number 4, Part 1 April, 1975

Relation of the Homogeneity of the Organic Phase to the Extraction of Sulfuric Acid with Solutions of Tridodecylamine in Octane – E. K. Legin and N. N. Bogushevich. 703 713
Electronic Effects of Phosphorus-Containing Substituents. Ionization Constants of Phosphinylalkanoic Acids – E. N. Tsvetkov, R. A. Malevannaya, and M. I. Kabachnik. 706 716
Stereochemistry of the Acidolysis of Substituted Trimethylene Phosphoramidites – I. S. Nasonovskii, A. A. Kryuchkov, and É. E. Nifant'ev. 714 724
Synthesis of Some 1,3,6,2-Dioxazaphosphocine Derivatives – N. N. Godovikov, L. A. Vikhreva, and M. I. Kabachnik. 717 728
Synthesis of O-3-Sulfolanyl Hydrogen Alkylphosphonodithioates and Some of Their Derivatives – O. N. Grishina, L. A. Mukhamedova, N. A. Andreev, and M. A. Nechaeva. 720 731
New Reactions of Phosphorohalidites. V. Reactions of Alkyl Phosphorochloridites with (Dialkoxyphosphinyl)sulfenyl Chlorides – N. I. Gusar', Zh. M. Ivanova, M. G. Tret'yak, V. S. Sergeev, and Yu. G. Gololobov. 723 734
Reactions of Dibenzylphosphinous Acid and Dibenzyl Hydrogen Phosphite with Formaldehyde and Diethylamine – K. A. Petrov, V. A. Chauzov, and T. S. Erokhina 727 737
Aryl P-Alkylphosphonamidothioates with Electronegative Substituents in the P-Alkyl Group – T. F. Kozlova, A. F. Grapov, and N. N. Mel'nikov. 734 744
Donor Activity of Heteroorganic Compounds. IV. Structure of Tris(triorganosilyl) Phosphates – Yu. V. Kolodyazhnyi, V. G. Tkalenko, A. P. Sadimenko, N. A. Kardanov, and O. A. Osipov 738 749
Donor Activity of Heteroorganic Compounds. V. Complex Formation of Tris(triorganosilyl) Phosphates with Tin and Tellurium Tetrahalides – Yu. V. Kolodyazhnyi, V. G. Tkalenko, O. A. Osipov, N. A. Kardanov, and N. N. Tsapkova. 743 754
Donor Activity of Heteroorganic Compounds. VI. Peculiar Features of the Complex Formation of Tetramethoxysilane – K. S. Pushkareva, Yu. V. Kolodyazhnyi, N. E. Drapkina, and O. A. Osipov. 747 759
Alkyl(2-bromoethyl)phosphorus and (2-Chloroethyl)phenylphosphorus Compounds from Reactions of Ethylene with Complexes Containing Phosphorus, Halogen, and Aluminum – R. I. Pyrkin, M. M. Gilyazov, and Ya. A. Levin 750 762
Nature of the Nitrogen–Phosphorus Bond in Bicyclic and Acyclic Phosphorimidates – É. S. Kozlov, A. I. Sedlov, I. N. Zhmurova, and V. G. Yurchenko. 755 767
Complex Compounds of Platinum(II) with Tridentate Sulfur-Containing Ligands – Yu. N. Kukushkin, E. A. Andronov, Yu. P. Yustratov, and V. V. Strukov. 759 772
Reactions of Thiobis[diorganoarsines] with Some Halogen Derivatives – B. E. Abalonin, Yu. F. Gatilov, and G. I. Vasilenko. 763 776
Organoboron Compounds. CCCII. Investigation of Some Internal-Complex Compounds of Boron by Methods of IR and PMR Spectroscopy – M. N. Bochkareva, V. A. Dorokhov, O. G. Boldyreva, V. S. Bogdanov, and B. M. Mikhailov 768 780
Synthesis and Properties of Some Arylboronic Acids – E. A. Ivanova, S. I. Panchenko, I.I. Kolodkina, and A. M. Yurkevich 773 786
Synthesis and Some Reactions of m-Carbaboranethiols and m-Carbaboranesulfinic Acids – L. I. Zakharkin and G. G. Zhigareva 777 789
Influence of Various Organosilicon Derivatives of m-Carbaborane on the Electric Conductivity of Ferric Chloride Solutions – A. L. Klebanskii, L. P. Dorofeenko, and V. F. Gridina 786 799
Features of the PMR Spectra of Organosilylamines and of Proton–Proton Exchange in These Compounds – K. A. Andrianov, V. V. Yastrebov, A. I. Chernyshev, V. M. Kopylov, and Zh. S. Syrtsova 790 802

Composition of Products of the Partial Chlorination of Silicon, Intermediate Compounds in the Direct Synthesis of Chloroorganosilanes – S. A. Golubtsov, K. A. Andrianov, N. T. Ivanova, R. A. Turetskaya, N. S. Fel'dshtein, E. A. Chernyshev, and V. G. Dzvonar' 795 808

Volume 45, Number 4, Part 2 April, 1975

Hydrosilylation of Acrolein – M. G. Voronkov, N. A. Keiko, T. A. Kuznetsova, I. N. Svishcheva, V. A. Pestunovich, E. O. Tsetlina, and L. V. Balashenko 801 813
Silicon- and Tin-Containing Diazo Esters and Diazo Ketones – A. S. Kostyuk, I. B. Ruderfer, Yu. I. Baukov, and I. F. Lutsenko 807 819
Charge-Transfer Interactions. I. Relation of the Energies of Charge-Transfer Bands in the Spectra of Complexes of "Aryl-mono-, -di-, and -tri-silanes" with Tetracyanoethylene to the Photoionization Potentials of the Donors – V. F. Traven', R. West, V. F. Donyagina, and B. I. Stepanov. 811 824
Nature of Intense Long-Wave Absorption in UV Spectra of Phenyl Polysilanes. Concept of π–d–d Conjugation – V. F. Traven', R. West, T. V. Pyatkina, and B. I. Stepanov 817 831
Reactions of Benzenesulfonyl Bromide and Iodide with 5,5-Dimethyl-1-hexen-3-yne and Its Silicon-Containing Analog – M. D. Stadnichuk, T. B. Kryukova, and A. A. Petrov 823 838
Addition of Alkane- and Arene-sulfonyl Halides to 1,3-Dienic Sila Hydrocarbons – M. M. Tanaskov and M. D. Stadnichuk 828 843
Preparation of Dialkyl Sulfide Complexes of Platinum(IV) – Yu. N. Kukushkin, P. G. Antonov, and K. I. Dubonos 838 854
Reactions of Benzoyl Peroxide with Some Organic Derivatives of Orthotitanic Acid – I. A. Alekseeva, O. I. Abramova, and A. L. Suvorov 840 856
Influence of Solvents on the Kinetics of the Thermal Breakdown of Some Peroxides Containing a tert-Butyldioxy Group – A. A. Turovskii, R. V. Kucher, A. M. Ustinova, and A. E. Batog 844 860
Interaction of Functional Groups in Some Benzenesulfonamide Derivatives – A. E. Lutskii, T. S. Ryzhkova, L. A. Antropova, and Z. A. Shevchenko 848 864
Synthesis of Heptachloro-3a,7a-dihydro-1-oxoindene-7-carboxylic Acid – V. D. Simonov, G. M. Konovalova, and Yu. N. Alyamkin 851 867
Some Chemical Properties of N-Substituted Lactam Acetals – S. I. Shestakova, S. D. Volodkovich, S. S. Kukalenko, and T. A. Ulanova 853 869
Synthesis and Study of the Properties of Enamines – N. D. Bodnarchuk, V. V. Momot, and B. B. Gavrilenko 856 873
Magnetic Susceptibility of Aromatic α,β-Unsaturated Ketones – V. N. Tolmachev, A. M. Volovik, and V. F. Lavrushin 863 880
Structure and Properties of Heterocyclic Compounds and Their Complexes. XIII. s-cis–trans Isomerism of Heteroaromatic Acid Chlorides – V. N. Sheinker, A. S. Kuzharov, D. Ya. Movshovich, Z. N. Nazarova, V. A. Piven', and O. A. Osipov 867 884
Polarography of Complexes of Metals with Substituted Azo Compounds. VI. Application of the ESR Method in the Study of the Electroreduction of Complexes of Metals with Substituted Azo Compounds in Dimethylformamide – G. K. Budnikov, A. V. Il'yasov, V. I. Morozov, and V. N. Maistrenko 872 889
Stagewise Replacement of Carbonyl Ligands in Tricarbonyl-π-cyclopentadienylmanganese – I. B. Nemirovskaya, A. G. Ginzburg, V. N. Setkina, and D. N. Kursanov 875 893
Stability and Structure of Complexes of p-Haloanilines with Tin Tetrachloride – I. Ya. Shternberg and Ya. F. Freimanis 877 895

Infrared Spectra of Complexes of Aromatic Phosphine Oxides with Some Metal Halides — E. G. Amarskii, A. A. Shvets, and O. A. Osipov 881 898
Physicochemical Properties of (Ethylenedinitrilo)tetrakisacetohydrazide — I. I. Il'yashevich and V. N. Podchainova 885 902
Reactions of Some gem-Diarylcycloalkanes with Sulfuric Acid — V. F. Lavrushin and Z. N. Tarakhno 889 906
Investigation of Processes of the Generation of Ions in Solutions of Indium Bromide in Esters by Methods of Electromigration and of IR and PMR Spectroscopy — Yu. A. Lysenko, V. V. Pinchuk, and A. A. Kuropatova 894 911
Polysaccharides of Algae. XVI. Study of the Structure of the Sulfated Mannan from the Red Alga Nemalion vermiculare Sur. By the Methylation Method — A. I. Usov, K. S. Adamyants, S. V. Yarotskii, and A. A. Anoshina 899 916
Synthesis of the 14-22 Nonapeptide Fragment of the Protein Chain of Cytochrome c — G. A. Vasil'eva, A. F. Mironov, L. F. Markova, T. A. Mednikova, and R. P. Evstigneeva 904 921
Investigations in the Vitamin D Series. Synthesis of Methyl 3β-Acetoxyhomochola-5,7-dien-25-oate — N. A. Bogoslovskii, Sh. S. Levi, R. P. Evstigneeva, and G. I. Samokhvalov 908 925
Alloxazines and Isoalloxazines. XL. 8α-Substituted Analogs of Riboflavine — L. S. Tul'chinskaya, T. A. Zhilina, A. I. Stepanov, and V. M. Berezovskii 911 928
Formation of Anomeric Imidazole Nucleosides in their Synthesis from 2,3-O-Isopropylidene-β-D-ribofuranosylamine — V. V. Alenin and V. D. Domkin . . . 915 933

LETTERS TO THE EDITOR

Spectrophotometric Investigation of the Influence of a Magnetic Field on Aqueous—Ethanolic Solutions of Rare-Earth Chlorides — M. A. Shashkin 919 937
Mechanism of the Reduction of Pentavalent Vanadium in Surface Hydroxo Complexes — V. N. Pak 920 938
Reactionsof Trimethylsilyl Tetraethylphosphorodiamidite with Benzaldehydes — A. N. Pudovik, É. S. Batyeva, and V. A. Al'fonsov 921 939
Reactions of Diethyl Trimethylsilyl Phosphite with Maleimides — A. N. Pudovik, É. S. Batyeva, and G. U. Zamaletdinova 922 940
Reactions of O,O-Dialkyl Hydrogen Phosphorothioites with Copper and Silver Chlorides — V. P. Plekhov, A. A. Muratova, and A. N. Pudovik 923 940
Reaction of Diethyl Methyl(trimethylsilyl)phosphoramidite with Benzaldehyde — M. A. Pudovik, M. D. Medvedeva, L. K. Kibardina, and A. N. Pudovik 924 941
New Diazoalkanes Containing an Asymmetric Phosphorus Atom — R. D. Gareev and A. N. Pudovik 926 942
Synthesis of Unsaturated Organophosphorus Compounds by Reactions of Trialkyl Phosphites with Nitroalkenes — E. E. Borisova, R. D. Gareev, T. A. Guseva, and I. M. Shermergorn 927 943
New Method for the Synthesis of (2-Nitroalkyl)phosphonic Esters — R. D. Gareev, E. E. Borisova, and I. M. Shermergorn 928 944
Phosphorus(III) Esters in Reactions with 2-Nitro-2-butene — R. D. Gareev, E. E. Borisova, and I. M. Shermergorn 929 944
Synthesis of Phosphorylated Hydroquinone Derivatives — V. A. Kukhtin, A. P. Rakov, G. F. Rudnitskaya, B. N. Mishagin, L. I. Zubtsova, and G. F. Andreev 930 945
Dipole Moments and Conformations of Cyclic Derivatives of Phosphorus Dithio Acids — É. A. Ishmaeva, V. V. Ovchinnikov, R. A. Cherkasov, and A. B. Remizov 931 946
Reactions of N-Aminophthalimide with Vinylphosphonic Esters in Presence of Oxidizing Agents — F. V. Bagrov 933 947
N-(Phosphoranylideneamino)phthalimides — F. V. Bagrov and N. G. Solov'ev 934 948
N-Silylated and N-Phosphorylated ω-Imino-ω-alkoxyalkyl Alkyl Alkylphosphonates — V. E. Shishkin, Yu. M. Yukhno, and B. I. No 935 949

Engl./Russ.

Substituted 1,3,2,5-Oxazadiphospholidine 5-Oxides – Zh. M. Ivanova, E. A. Suvalova, and Yu. G. Gololobov 936 949
Reaction of Diphenacylphosphinic Acid with Diphosphorus Pentoxide — L. S. Moskalevskaya, and G. K. Fedorova 937 950
Reactions of Aqueous Solutions of Potassium Tetrathiocyanatoplatinate(II) and of Potassium Tetrathiocyanatopalladate(II) with Trimethyl Phosphite – A. D. Troitskaya and I. A. Orlova 938 951
Detection of the Radical Anion of β-Carotene by Means of ESR Spectroscopy – N. T. Ioffe, A. A. Engovatov, and V. G. Mairanovskii 939 951
Unusual Features of the Reactivity of 3-(Hydroxymethyl)-benzoxazolinones and -benzoxazolinethiones – V. G. Blinova, G. S. Supin, N. E. Karabut, N. I. Shvetsov-Shilovskii, N. N. Mel'nikov, and T. M. Sushitskaya 940 952
Influence of Electron-Donor Substituents on the Electron Spectra of Aromatic Compounds – B. I. Stepanov, V. Ya. Rodionov, M. A. Andreeva, and V. P. Perevalov 942 953
σ^- and σ^+ Constants of Some Silicon-Containing Groups – V. F. Traven', B. A. Korolev, T. V. Pyatkina, and B. I. Stepanov 943 954
Reaction of Diethyl Metyl(trimethylsilyl)phosphoramidite with Benzaldehyde – M. A. Pudovik, M. D. Medvedeva, L. K. Kibardina, and A. N. Pudovik 924 941
Hydrosilylation of 1,3-Dienes Catalyzed by Nickel and Cobalt Complexes – V. P. Yur'ev, I. M. Salimgareeva, G. A. Tolstikov, and O. Zh. Zhebarov 945 955
Role of Copper in the Synthesis of $RGeX_3$ from GeX_4 and RX – V. V. Pozdeev and V. Ya. Dudarev 946 955
Synthesis of Nucleosides of Uronic Acids – A. A. Akhrem, V. A. Timoshchuk, and I. A. Mikhailopulo 947 956
Stability of the Terminal Ester Link in Solid-Phase Peptide Synthesis — Yu. P. Shvachkin, M. N. Ryabtsev, R. G. Vdovina, S. M. Funtova, and S. G. Chukashev 948 957

Volume 45, Number 5, Part 1 May, 1975

Dipole Moments, Heats of Formation, and IR Spectra of Complexes of Various Sulfoxides with $AlBr_3$, $TiCl_4$, and $SnCl_4$ – V. V. Puchkova and E. N. Gur'yanova... 949 961
Reaction of Niobium Dioxide with Strontium Carbonate, and the Synthesis of Niobates(IV) – G. G. Kasimov, É. G. Vovkotrub, E. I. Krylov, and I. G. Rozanov 954 966
Influence of Cyclic σ-Donor Ligands on the Acidic Properties of Aqua Complexes of Platinum(II) – A. I. Stetsenko and S. I. Pechenyuk 957 968
Molar Volume, Adiabatic Compressibility, and Isobaric Expansibility of Aqueous Solutions of Perchloric Acid at 25° – V. A. Latysheva and É. G. Grigor'eva 960 971
Investigation of the System ZnI_2 – KI – DMFA by the Ultrasonic Method – V. M. Shevchenko, V. I. Surovtsev, and E. Ya. Gorenbein 965 977
Salting Out of Water – Cresol Systems by Thiocyanates – I. L. Krupatkin and L. D. Vorob'eva 968 980
Liquid-Phase Equilibria in the Systems Water – 2-Furaldehyde – Thiocyanates and Water – Butanone – Thiocyanates – I. L. Krupatkin, L. D. Vorob'eva, V. P. Maskhuliya, and M. E. Veselova 973 985
Solubilities of Lithium Iodide and Benzoate, Ammonium Bromide and Iodide, and Lanthanum Nitrate in Mixtures of Triethylamine and Water at 20° – G. Kh. Shabikova, V. F. Sergeeva, and M. B. Izmeleuova 978 990
Thermodynamic Study of the Association of Trioctylamine Salts in Organic Solutions – L. A. Anan'eva and E. K. Legin 982 995
Potassium Chloroacetates (X-Ray-Diffraction Analysis) – J. Pokorny 985 998
Reactions of Dialkyl Phosphorisocyanatidites with α-Keto Carbonitriles – I. V. Konovalova, L. A. Burnaeva, G. S. Temnikova, and A. N. Pudovik 989 1003

	Engl.	Russ.
Reactions of Phosphorus-Containing Disulfides. Reactions of Bis(dialkoxyphosphinyl) Disulfides with Primary and Secondary Amines – N. N. Mel'nikov, B. A. Khaskin, and N. A. Torgasheva	992	1005
O,O-Dialkyl Methylphosphoramidoselenoates and Similar Compounds – L. K. Nikonorova, N. P. Grechkin, and I. A Nuretdinov	995	1008
Phosphorylation of P,P,P-Triphenylphosphine Imide – A.S. Shtepanek, V. A. Zasorina, I. N. Zhmurova, and A. P. Martynyuk	999	1012
Triaminodichlorophosphoranes – A. M. Pinchuk, A. P. Marchenko, I. N. Zhmurova, and A. P. Martynyuk	1002	1015
Reaction of Phenylacetonitrile with Phosphorus Pentachloride – N. D. Bodnarchuk and V. I. Kal'chenko	1007	1020
Halogenation of 2-(Dihalophosphinyl)vinyl Isocyanates – E. A. Stukalo, V. V. Doroshenko, and L. N. Markovskii	1009	1022
2-Butenylenebisphosphonic Tetraesters – S. V. Kruglov, B. I. Ionin, and A. A. Petrov	1014	1027
Stereochemistry of Reactions of Derivatives of Methyl-1-naphthylphenylsilane with Alkoxytriethylstannanes – V. A. Chauzov and Yu. I. Baukov	1018	1032
Synthesis and Properties of Diethynylsilanes and Diethynylgermanes and of Polymers Based on Them – L. K. Luneva, N. A. Vasneva, A. M. Sladkov, and V. V. Korshak	1023	1036
Compositions and Some Properties of Germanium(IV) Complexes of Glycolic and Lactic Acids – A. F. Pozharitskii, I.I. Seifullina, and E. M. Belousova	1026	1038
Physicochemical Properties of Triethylisocyanatostannane and Bis(triethylstannyl)carbodiimide – E. Z. Zhuravlev, V. F. Gerega, V. D. Selivanov, P. V. Mulyanov, and Yu. T. Dergunov	1030	1042
Donor Activity of Heteroorganic Compounds. VIII. Complex-Forming Power of Some Nitrogen-Containing Organosilicon Compounds toward Tin Tetrachloride – Yu. V. Kolodyazhnyi, M. G. Gruntfest, L. S. Baturina, M. M. Morgunova, N. I. Sizova, G. S. Gol'din, and O. A. Osipov	1033	1046
Reactions of Lithium Derivatives of o- and m-Carbaboranes with Alkoxychlorosilanes – V. V. Korol'ko, V. I. Lebedeva, and A. V. Passet	1036	1049
Organoboron Compounds. CCCIII. 1,2-(3'-Boracyclopentano)- and 1,2-(3'-Boracyclopenteno)-o-carbaboranes – B. M. Mikhailov and É. A. Shagova	1039	1052
Reactions of Alkaline-Earth Metals with Organomercury Compounds in Presence of Trialkyl- and Triaryl-aluminums – L. L. Ivanov, S. Ya. Zavizion, and L. I. Zakharkin	1046	1060
Compounds of Tetrakis(acetato)diaquadirhodium(II) with Urea and Its Derivatives – V. N. Shafranskii and T. A. Mal'kova	1051	1065
Proton-Acceptor Power of Substituted 2-Acetylselenophenes – S. V. Tsukerman, L. P. Pivovarevich, L. A. Kutulya, V. G. Gordienko, N. N. Magdesieva, and V. F. Lavrushin	1055	1070
Base Equivalents and Ionization Constants of Some Mo(VI) Complex Acids – A. A. Fedorov	1058	1072

Volume 45, Number 5, Part 2 May, 1975

Study of the Complex-Formation Reactions of 1,3,5-Trinitrobenzene with Primary Aliphatic Amines by Means of PMR Spectroscopy – L. N. Kotova, G. L. Ryznova, and R. Durdyev	1061	1075
Dipole Moments and Structures of Molecules of Vinylogs of Aromatic Azomethines – V. A. Bren', K. A. Tsknadadze, M. G. Gruntfest, and V. I. Minkin	1065	1080

Donor Activity of Heteroorganic Compounds. VII. Dipole Moments and Basicities of Cyclic and Acyclic Diaminosilanes, Disilazanes, and Cyclotrisilazanes – Yu. V. Kolodyazhnyi, M. G. Gruntfest, V. A. Bren', L. S. Baturina, M. I. Morgunova, D. Ya. Zhinkin, G. S. Gol'din, and O. A. Osipov 1069 1083
Polarographic Investigation of Derivatives of 2,1,3-X-Diazoles (X = S, Se, O). IV. Hydroxy Derivatives of 2,1,3-Benzothiadiazole. Influence of Intramolecular Autoprotonation – V. Sh. Tsveniashvili, L. A. Tskalobadze, and V. N. Gaprindashvili 1075 1090
Many-Electron Electrode Processes. II. Form of Polarization Curves and Mechanism of the Reduction of Benzophenone in Presence of Proton Donors – Yu. M. Kargin, N. I. Semakhina, and V. Z. Kondranina 1081 1097
Dipole Moments and IR Spectra of Some Sulfur Diimide Derivatives – Yu. Ya. Borovikov, E. M. Dorokhova, and Yu. P. Egorov 1086 1103
Dipole Moments of Compounds Containing a C = O Bond – Yu. Ya. Borovikov 1091 1109
Interaction of N, N-Dimethylacetamide with Dihydric Phenols – V. F. Chesnokov, L. P. Varakina, E. G. Veselkova, and Z. V. Koz'mina. 1094 1112
Oxidative Addition of Monosubstituted Acetylenes to Pd(0) Complexes – G. A. Chukhadzhyan, Z. K. Évoyan, and L. N. Melkonyan. 1096 1114
Comparative Stabilities of Mixed Piperidine Complexes of Cadmium Dicarboxylates – R. I. Kharitonova and M. G. Pivovarova 1099 1117
Arenesulfonic Esters. Kinetics of the Reactions of (Dialkoxyphosphinyl)methyl Arenesulfonates with Sodium Benzenethiolate – R. V. Vizgert and M. P. Voloshin . 1103 1121
Reactions of Mucochloric Acid with Alkanethiols in an Acid Medium – T. I. Bobrova, S. D. Volodkovich, and S. S. Kukalenko 1106 1123
Dipole Moments of Some Substituted N-Phenylanthranilic Acids – V. V. Prezhdo, E. E. Fedorov, S. N. Eremenko, and N. S. Frumina 1108 1125
Participation of Electrophilic Organic Compounds of Bivalent Sulfur in Catalytic Transformations. I. Convenient Method for the Chlorolysis of Aromatic Disulfides – É. A. Parfenov and V. A. Fomin. 1112 1129
Synthesis of Vinylferrocene by the Meerwein – Ponndorf – Verley Reaction – E. A. Zimakova and E. A. Chernyshev. 1115 1132
Determination of the Thermodynamic Parameters of Complex Formation in the System tert-Butyl Alcohol – Liquid Sulfur Dioxide by the PMR Method – S. S. Berestova, A. I. Serebryanskaya, N. N. Shapet'ko, and A. I. Shatenshtein 1117 1133
Kinetics of the Reactions of 2,2-Diphenyl-1-picrylhydrazyl with Some Unsymmetrical Dialkyl Peroxides and Some Peroxy Esters – R. V. Kucher, A. A. Turovskii, and L. V. Luk'yanenko 1121 1137
Alloxazines and Isoalloxazines. XLI. Bromination of 8-Amino- and 8-Hydroxy-alloxazines – G. D. Glebova and V. M. Berezovskii. 1124 1140
Cyanoethylation of Chitosan – L. A. Nud'ga, E. A. Plisko, and S. N. Danilov 1129 1145
Synthesis of Acetyl- and (Ethoxycarbonyl)-Substituted Deuteroporphyrins – A. F. Mironov, V. D. Rumyantseva, L. I. Fleiderman, and R. P. Evstigneeva. 1133 1150
Perchlorates of (Dimethylamino)methylene Derivatives of Steroid Ketones and Lactones – L. N. Volovel'skii, M. Ya. Yakovleva, N. V. Popova, and V. G. Khukhryanskii 1137 1153
Synthesis and Study of the Properties of Some Peptides Containing Proline and Ornithine Residues. IX. Synthesis of (3-Methyl-1-uracilylacetyl)-D-phenylalanyl-L-prolyl-N^{δ}-tosyl-L-ornithyl-glycyl-L-leucyl-N^{δ}-tosyl-L-ornithine Methyl Ester – N. A. Poddubnaya, N. Ya. Krasnobrizhii, and V. S. Gruzdev 1140 1157
Synthesis and Study of the Properties of Some Peptides Containing Proline and Ornithine Residues. X. Investigation of Copper Complexes of Peptides with the Aid of Optical Rotatory Dispersion and Circular Dichroism – N. A. Poddubnaya and N. Ya. Krasnobrizhii 1145 1162

Synthesis and Study of the Properties of Some Peptides Containing Proline and Ornithine Residues. XI. Copper(2+) Complexes of 3-Methyl-1-uracilylacetyl Peptides – N. A. Poddubnaya, N. Ya. Krasnobrizhii, and V. S. Gruzdev 1149 1167
Protected Oligonucleotide Blocks: Starting Components for the Synthesis of Higher Oligonucleotides – É. A. Pyaivinen and N. S. Tikhomirova-Sidorova 1152 1170
Dictagymnin, Main Component of the Essential Oil of Dictamnus gymnostylis Stev. – S. A. Kozhin, A. Yu. Fleisher, and I. O. Kostyuk 1157 1176
Compounds with Juvenility Activity. VII. Synthesis of Some Derivatives of 10,11-Epoxy-3,11-dimethyl-2-dodecenoic Acid – O. V. Shekhter and Yu. S. Tsizin 1161 1180
Compounds with Juvenility Activity. VIII. Synthesis of Derivatives of 11-Alkoxy- and 11-Chloro-3,11-dimethyl-2-dodecenoic Acids – O. V. Shekhter, Yu. S. Tsizin, and E. A. Pridantseva 1166 1186

LETTERS TO THE EDITOR
Reactions of Phosphoramidodithioic Esters with Aliphatic Amines – B. A. Khaskin, T. G. Rymareva, and N. N. Mel'nikov 1170 1190
Hydrosilylation of Trialkyl[(vinylthio)methyl]silanes – M. G. Voronkov, F. P. Kletsko, N. N. Vlasova, E. O. Tsetlina, V. V. Keiko, V. I. Kaigorodova, and V. A. Pestunovich 1171 1191
Electrophilic Alkylation of 1,2- and 1,7-Dicarbaundecaborate Dianions (1,2- and 1,7-$C_2B_9H_{12}^{2-}$). New Rearrangement in the B-Alkyl-1,2-dicarbaundecaborate Series – V. A. Brattsev, S. P. Knyazev, and V. I. Stanko 1173 1192
Catalytic Disproportionation of Amines – G. A. Chukhadzhyan and N. A. Gevorkyan 1175 1193
S-Alkyl 1-Thioallophanates – A. I. Ul'yanova, N. I. Rudneva, N. P. Lyalyakina, and N. I. Shvetsov-Shilovskii 1176 1193
Self-Association and Proton-Donor Power of Anilides of Phosphorus Acids $R_2P(Y)NHPh$ (Y = O, S) and R_2PNHPh – I. Ya. Kuramshin, N. R. Safiullina, A. A. Muratova, É. G. Yarkova, and A. N. Pudovik 1177 1194
Preparation of β-Mercurated (1-Alkoxyvinyl)phosphonates – M. A. Kazankova, T. Ya. Satina, and I. F. Lutsenko 1178 1195
New Carbonyl Complexes of Rhodium with Nitrogen-Containing Chelating Ligands – V. A. Kogan, A. A. Polunin, and O. A. Osipov 1179 1196
New Method for the Synthesis of Nucleotide Alkyl Esters – N. I. Sokolova, V. V. Nosova, I. S. Vel'moga, and Z. A. Shabarova 1180 1197
Reactions of Organocobalamins with Lithium Tetrachloropalladate(II) – E. G. Chauser, I. P. Rudakova, and A. M. Yurkevich 1181 1197
Diastereotopy of ^1H and ^{13}C Nuclei in Derivatives of 1,2-Dicarba-closo-dodecaborane(12) and 1,2(3)-Dicarbadodecahydro-nido-undecaborate(13) – V. N. Kalinin, V. A. Antonovich, N. P. Skvortsova, É. I. Fedin, and L. I. Zakharkin 1183 1198
Influence of Solvents on the Method of Coordination of Thiocyanato Groups in Complex Compounds of Platinum(II) and Palladium(II) – A. D. Troitskaya, G. A. Levshina, and L. F. Gogolyukhina 1185 1199
Alkylation of Inorganic Bisdimethylglyoximate Chelates of Cobalt(III) with Certain Olefins – É. A. Parfenov and T. G. Chervyakova 1186 1200

Volume 45, Number 6, Part 1 June, 1975

Equilibrium of Liquid Phases in the System 3,3'-Oxybispropionitrile–Butyl Alcohol–Water – I. K. Zhuravleva and Z. R. Rashitova 1187 1201

	Engl.	Russ.
Solubility of Benzamide in Aqueous Solutions of Sulfuric, Selenic, and Phosphoric Acids at 20° – B. A. Beremzhanov, N. N. Nurakhmetov, and R. Sh. Erkasov	1191	1206
Interaction of N,N-Dimethylacetamide with Acetic Acid and Its Chloro Derivatives in Carbon Tetrachloride – V. F. Chesnokov, I. M. Bokhovkin, and É. V. Veselova	1195	1211
Interaction in the Ternary System Ethylenediamine–Acetic Acid–Dimethylformamide in the Solid Phase – V. F. Chesnokov and A. S. Simonov	1198	1215
Physicochemical Analysis of Ternary Systems of the Dimethylformamide and of Dimethylacetamide with Acetic Acid or a Chloroacetic Acid and Benzene – I. M. Bokhovkin, V. F. Chesnokov, and O. V. Nilov	1200	1218
Influence of the Structures of Diols on Their Reactions with Five-Membered Cyclic Phosphonates – B. A. Arbuzov, A. O. Vizel', K. M. Ivanovskaya, and É. I. Gol'dfarb	1204	1223
Mono- and Di-phosphoranylidene Derivatives of 2,3-Butanedione – M. I. Shevchuk, V. N. Kushnir, V. A. Dombrovskii, M. V. Khalaturnik, and A. V. Dombrovskii	1208	1228
Reactions of Dialkyl Hydrogen Phosphites with Some Epoxy Ketones – A. N. Pudovik, M. G. Zimin, and A. A. Sobanov	1212	1232
Phosphorus-Containing Heterocycles. Condensation of Cyclic Alkylene Dialkylphosphoramidites with 3-Buten-2-one – A. Kh. Voznesenskaya and N. A. Razumova	1215	1235
New Method for the Preparation of Aziridides of Phosphorus Acids – A. M. Pinchuk, T. V. Kovalevskaya, and G. K. Bespal'ko	1219	1240
Reactions of N-Substituted Ethylenimines with Thionyl Chloride and Chlorosilanes – E. S. Gubnitskaya, A. M. Pinchuk, and L. A. Zolotareva	1226	1248
Use of 2-(Acylamino)-2-chloroacetophenones for the Synthesis of Phosphorylated Oxazoles – B. S. Drach, I. Yu. Dolgushina, and A. D. Sinitsa	1229	1251
Amidation of P-(Alkyldioxy)phosphine Imides – A. G. Babyak, N. D. Bodnarchuk, and T. I. Yurzhenko	1233	1255
Vibrational Spectra and Structure of Some 1,3,2-Dioxaphospholanes – R. R. Shagidullin, D. F. Fazliev, L. I. Gurarii, and É. T. Mukmenev	1235	1257
Reactions of Tetraalkylphosphorodiamidous Acids and Their Salts with Carbonyl Compounds and Carbon Disulfide – É. E. Nifant'ev and I. V. Shilov	1241	1264
Phosphorylated Unsaturated Acetals and Some of Their Properties – V. V. Kormachev and Yu. N. Mitrasov	1244	1267
Phosphorylated Unsaturated Aldehydes and Their Reactions with Alkylidenephosphoranes – V. V. Kormachev and Yu. N. Mitrasov	1247	1270
Structure of Complex Compounds of β-Keto Phosphine Oxides with Titanium and Tin Tetrahalides – A. A. Shvets, O. A. Osipov, O. A. Moiseeva, and and E. L. Korol'	1251	1274
Phosphorylation of [(9-Anthrylmethylene)amino]pyridines and 4-(9-Anthrylmethylene)-1-aryl-3-methyl-2-pyrazolin-5-ones – B. P. Lugovkin	1254	1277
Hydrosilylation and Hydrogermylation of Arenesulfonyl Isocyanates and Azides – Yu. I. Dergunov, N. I. Mysin, and Yu. I. Mushkin	1257	1280
Synthesis of New Derivatices of Cyclotriphosphazene [2,2,4,4,6,6-Hexahydro-1,3,5,2,4,6-triazatriphosphorine] – M. A. Andreeva, L. M. Gil'man, A. S. Lebedeva, V. V. Korshak, and S. V. Vinogradova	1261	1285
Products of the Reactions of Arsinous Esters with Alkyl Halides – B. D. Chernokal'skii, V. A. Valiullina, R. R. Shagidullin, L. V. Avvakumova, and T. V. Zykova	1263	1287
Some Reactions of C-Amino-o- and -m-carbaboranes – L. I. Zakharkin and G. G. Zhigareva	1268	1293

Volume 45, Number 6, Part 2 June, 1975

Oxidation of Dialkylchloroaluminums by Oxygen – V. K. Golubev, V. M. Smagin, V. V. Gavrilenko, and L. I. Zakharkin 1277 1301
Catalytic Addition of Dichlorophenylsilane to Styrene, and the Reactions of the Product – A. I. Nogaideli, L. I. Nakaidze, and V. S. Tskhovrebashvili 1283 1309
Complex Formation of Germanium(IV) with Malic and 2,3,4-Trihydroxyglutaric Acids – A. F. Pozharitskii, I. I. Seifullina, and E. M. Belousova 1285 1311
Radiation-Initiated Synthesis of Polyfluoroaromatic Derivatices of Silicon under the Action of Accelerated Electrons – E. A. Vaks and B. I. Vainshtein ... 1289 1315
Transformations of Unsaturated Compounds over Metal-Complex Catalysts. V. Linear Codimerization of Butadiene with Methyl Acrylate – G. A. Tolstikov, U. M. Dzhemilev, and R. I. Khusnutdinov 1296 1322
Stereochemistry of the Reformatsky Reaction with 3-O-Substituted 1,2-O-Cyclohexylidene-α-D-xylo-pentodialdofuranoses – Yu. A. Zhdanov, Yu. E. Alekseev, G. E. Leviman, and N. A. Dolgopolova 1300 1327
Interaction of Dimethyl Sulfoxide with Cresols in an N,N-Dimethylacetamide Medium – I. M. Bokhovkin and T. G. Antonova 1306 1333
Investigation of the Conformational State of Glutathione in Water by the NMR Method – S. V. Zenin, G. I. Chuprina, and A. Yu. Krylova 1309 1337
Synthesis and Reactions of 3-(p-Methylbenzyloxy)propyne – I. A. Shikhiev, D. S. Dzhafarov, and S. F. Karaev 1312 1340
Determination of the Acidity of Solutions of Metal Carbonyls at Elevated Temperatures and Pressures. Relation between Acidity and Catalytic Activity – N. S. Imyanitov 1315 1344
Reduction Reactions of the Sulfo Group and Its Derivatives in Compounds of the Naphthalene Series. III. Influence of Structures of Compounds on the Reactivity of Sulfonamide Groups, and Mechanism of the Reduction of Naphthalenesulfonamides – N. N. Lemin and A. V. Yamshchikov 1318 1347
Complex Compounds of Scandium Chloride with Ketones and Carboxylic Esters – N. L. Chikina, Yu. V. Kolodyazhnyi, and O. A. Osipov 1324 1354
Polarographic Reduction of Complexes of Chromium(III) and Iron(III) in Dithiocarbamate–2,2'-Bipyridine and Dithiocarbamate–1,10-Phenanthroline Systems – V. F. Toropova, G. K. Budnikov, N. A. Ulakhovich, and I. P. Viter 1329 1359
Catalytic Currents of Hydrogen of Complexes of Cobalt(III) and Iron(III) with Some Thiosemicarbazones – V. F. Toropova, G. K. Budnikov, and É. P. Medyantseva 1335 1366
Polarographic Investigation of Luminophors of the Azomethine Series with Fluorine-Containing Substituents – V. N. Dmitrieva, L. I. Dmitrievskaya, V. T. Skripkina, and D. G. Pereyaslova 1340 1371
Polarographic Behavior of Pyridinium Salts – N. P. Shimanskaya, L. A. Kotok, T. F. Alekhina, E. G. Protsenko, and I. P. Krainov 1344 1374
Polysaccharides of Algae. XVIII. Acetolysis of Sulfated Mannan from Nemalion vermiculare Sur. – A. I. Usov, K. S. Adamyants, and S. V. Yarotskii 1347 1377
Synthesis of Peptides Containing Glutamic Acid, Phenylalanine, and Valine – N. Ya. Krasnobrizhii, E. M. Skrynik, and L. G. Kovalenko..... 1351 1381
S-Benzamidomethyl Derivatives of L-Cysteine and 3-Mercaptopropionic Acid – O. S. Papsuevich, G. Sh. Arsh, and S. Ya. Miksta 1354 1384

LETTERS TO THE EDITOR

Possibilities of the Use of S^{2-} and HCO_2^- Ions as Agents for the Reduction of Chlorine Dioxide in the Preparation of Sodium Chlorite – K. D. Dobryshin and V. A. Kokushkina 1358 1389

Europium(II) Titanoniobites with a Perovskite Structure – G. G. Kasimov, E. M. Elovskikh, B. P. Filin, and V. G. Teplov 1359 1390
Stereospecific Synthesis of 2-Substituted 5-Methyl-3-phenyl-1,3,2-oxazaphospholidine 2-Oxides – M. A. Pudovik, M. D. Medvedeva, and A. N. Pudovik 1360 1390
Formation of σ Complexes in the Interaction of Phosphorus(III) Compounds with 1,3,5-Trinitrobenzene – Yu. G. Gololobov, P. P. Onys'ko, V. N. Fadeev, and N. I. Gusar' 1361 1391
Tetrazaphosphepine Derivatives – A. F. Grapov, O. B. Mikhailova, and N. N. Mel'nikov . 1362 1392
[(Chloromethoxy)methyl]- and (Chloromethoxymethyl)-phosphonic Dichlorides – T. F. Kozlova, A. F. Grapov, and N. N. Mel'nikov 1363 1392
Azacarbaboranes $C_2B_8NH_{11}$ and $C_2B_8NH_{13}$ and the Thiacarbaborane $C_2B_8SH_{10}$ – V. A. Brattsev, S. P. Knyazev, G. N. Danilova, and V. I. Stanko 1364 1393
1-(Thiocyanatoalkyl)silatranes – M. G. Voronkov, M. S. Sorokin, and V. M. D'yakov 1366 1394
1-[(Acetylthio)alkyl]silatranes – M. G. Voronkov, M. S. Sorokin, F. P. Kletsko, V. M. D'yakov, N. N. Vlasova, and S. N. Tandura 1367 1395
Reduction of Zinc Chloride with Triethylsilane – L. P. Yunnikova, V. D. Pak, and N. S. Kozlov 1368 1395
Study of the Structure of Organopolysiloxanols by the PMR Method – V. V. Pchelintsev and L. A. Klimov 1369 1396
Synthesis of Dibutylchloro(3-isocyanatopropyl)stannane – A. V. Pavlycheva, Yu. I. Dergunov, and Yu. I. Mushkin 1370 1396
Decarboxylation of Silicon-Containing Isocyanates. Carbofunctional Organosilicon Carbodiimides – V. P. Kozyukov, E. F. Bugerenko, and V. F. Mironov 1371 1397
Reactions of (Trialkylsilyl)ketenes with Aldehydes – G. S. Zaitseva, N. G. Vinokurova, and Yu. I. Baukov 1372 1398
Adducts of Silicon Tetrafluoride with 1,6-Hexanediamine and Tetraethylenepentamine – A. A. Énnan and L. A. Gavrilova 1373 1399
Polarographic Study of Compounds Containing a CCl_3 Group: N-(2,2,2-Trichloro-1-hydroxyethyl) Lactams – G. S. Supin, S. I. Shestakova, S. D. Volodkovich, and S. S. Kukalenko 1374 1399
Synthesis of Arenediazonium Hydrogendiiodates $[ArN_2]^+[IO_3 \cdot HIO_3]^-$ – V. P. Sagalovich and V. V. Kozlov 1376 1400
Reaction of Diazoacetic Ester with 2-Propynyl Acetate – A. A. Akhrem, E. I. Kvasyuk, and I. A. Mikhailopulo 1377 1401
Rotational Isomerism in Divinyl Sulfide, Sulfoxide, and Sulfone – A. B. Remizov, T. G. Mannafov, and F. R. Tantasheva 1378 1402
Stereoisomerism of 2,4-Diphenyl-3-azabicyclo[3.3.1]nonan-9-one – I. N. Azerbaev, T. T. Omarov, and K. Al'mukhanova 1379 1403
Synthesis of 6,6,8,8-Tetramethyl-2,4-diphenyl-3,7-diazaadamantan-9-one – I. N. Azerbaev, T. T. Omarov, and S. A. Baisalbaeva 1380 1404
Synthesis of Analogs of 5-Amino-4-carboxy-1-(5'-phospho-β-D-ribofurancsyl)imidazole (CAIR) – V. V. Alenin and V. D. Domkin 1381 1405

Volume 45, Number 7, Part 1 July, 1975

Interaction of Dimethyl Sulfoxide with Nitrophenols in Presence of N,N-Dimethylacetamide – I. M. Bokhovkin and T. G. Antonova 1383 1409
Physicochemical Investigation of the Interaction of Formamide with Acetic Acid and Its Chloro Derivatives – I. M. Bokhovkin, L. V. Gusakov, and V. F. Chesnokov 1386 1413
Equilibrium of Liquid Phases in the System Water–Succinonitrile–Hexanoic Acid – I. K. Zhuravleva and G. M. Mikryukova 1390 1417
Potentiometric Investigation of the Solubility Products of Silver Halides in Mixed Solvents – Ya. I. Tur'yan, É. F. Bukhtareva, Z. G. Baranova, G. S. Dokolina, and I. A. Sidorenko 1393 1421

	Engl.	Russ.
Mechanisms of Acid–Base Interaction, Electrolytic Dissociation, and Conductance in Aprotic Acid–Organic Base Systems – V. P. Basov, Yu. A. Karapetyan, A. D. Krysenko, G. M. Romanenko, and Yu. Ya. Fialkov	1399	1428
Steric Structure of Phosphorus-Containing Heterocycles. VIII. Synthesis of 5-Alkyl-5-nitro-1,3,2-dioxaphosphorinane Derivatives, and Their Conformations – B. A. Arbuzov, R. P. Arshinova, T. A. Guseva, T. A. Zyablikova, L. M. Kozlov, and I. M. Shermergorn	1403	1432
Reactions of Phosphorus(III) Acids with β-Keto Carboxylic Esters and Carboxamides – A. N. Pudovik, M. G. Zimin, and A. A. Sobanov	1409	1438
Character of Hydrogen Bonds in α-Amino Phosphonic Esters – R. G. Islamov, M. G. Zimin, I. S. Pominov, and A. N. Pudovik	1414	1444
Reactions of Phosphorus(III) Acids with Aryl Isocyanides – A. N. Pudovik, V. I. Nikitina, M. G. Zimin, and N. L. Vostretsova	1420	1450
Reactions of Phosphorous Diesters with Azines – É. E. Nifant'ev, N. V. Zyk, and M. P. Koroteev	1424	1455
Hydrolysis of Some S-(Aminoalkyl) Dihydrogen Phosphorothioates – S. A. Grachev, E. V. Kropachev, and G. I. Litvyakova	1429	1461
Reactions of 1,5-Diketones. XII. Reactions of 1,5-Diketones with Phosphine – V. I. Vysotskii, É. V. Pavlycheva, and M. N. Tilichenko	1434	1466
3-Acyl-1,3,2-oxazaphospholidines and 3-Acyltetrahydro-1,3,2-oxazaphosphorines: Synthesis and Some Properties – L. I. Mizrakh, L. Yu. Polonskaya, L. N. Kozlova, T. A. Babushkina, and B. I. Bryantsev	1436	1469
Aromatic Fluoro Derivatives. LXI. Polyfluorinated Phenylphosphonium Ions – G. G. Furin, T. V. Terent'eva, A. I. Rezvukhin, and G. G. Yakobson	1441	1473
Dialkyl- and Diaryl-phosphinic Amides – É. A. Érré and F. I. Kharrasova	1447	1480
Investigation of the Formation of Aryl Derivatives of Di- and Tri-vinylbenzenes by the Method of PO-Olefination – L. Ya. Malkes, V. N. Dmitrieva, L. I. Dmitrievskaya, and T. P. Boronenko	1450	1481
Dialkyl and Bischloroalkyl (Arylthiocarbamoyl)phosphonates – V. V. Alekseev and M. S. Malinovskii	1452	1484
Phosphites Containing Hetero Elements (Group IVB) and Their Reactions with Compounds Containing Activated Multiple Bonds – Z. S. Novikova, S. N. Mashoshina, and I. F. Lutsenko	1455	1486
Derivatives of Substituted Vinylphosphonic Acids. XIX. Phosphorylation of Unsymmetrical Acetals and Certain Sulfur-Containing Compounds with Phosphorus Pentachloride – V. V. Moskva, T. Sh. Sitdikova, A. I. Razumov, T. V. Zykova, R. A. Salakhutdinov, and G. F. Nazvanova	1462	1494
Polyhedral Stereoisomerism and Pseudorotation in Arsaspiran Systems – Yu. Yu. Samitov, N. K. Tazeeva, and B. D. Chernokal'skii	1466	1498
Synthesis and Study of the Properties of Alkenylphosphonic Derivatives. V. [2-(Alkylthio)vinyl]-phosphonic and -phosphonothioic Dichlorides – K. A. Petrov, M. A. Raksha, and Le Dong Khai	1471	1503
Synthesis of Phenyl-p-tolylarsinothioic Acid and Its Resolution into Its Enantiomers – L. B. Ionov, L. A. Kunitskaya, and V. I. Kornev	1476	1508
Complex-Formation Reactions of Organoboron Compounds. VIII. Complex Formation of Triarylboranes with Hydrazine and Semicarbazide – I. I. Lapkin, S. E. Ukhanov, and G. A. Yuzhakova	1479	1511
Disproportionation of Dichloroethylaluminum in Presence of Diphenyl Ether – P. N. Gaponik, O. M. Baranov, and V. P. Mardykin	1482	1514
Synthesis of Complexes of Trialkylaluminums with 2,2'-Bipyridine – P. N. Gaponik, O. M. Baranov, and V. P. Mardykin	1485	1516
Complexes of Aromatic Amines with Platinum(II). V. Trans Effect of Aromatic Amines – T. O. Blyumental', L. V. Konovalov, and V. V. Razumovskii	1489	1520
Reactions of Organogermanium Peroxides with Carboxylic Anhydrides – V. A. Dodonov, V. V. Chesnokov, and E. B. Eresov	1493	1524
Synthesis of Alkyltrihalogermanes – V. A. Chernoplekova, N. I. Sheverdina, N. N. Zemlyanskii, and K. A. Kocheshkov	1497	1528

Engl./Russ.

Volume 45, Number 7, Part 2 July, 1975

Equilibrium-Acidity Scale of CH Indicators in Dimethyl Sulfoxide – M. I. Terekhova, É. S. Petrov, S. P. Mesyats, and A. I. Shatenshtein. 1499 1529
Influence of Structural Changes on the Reactivity of Trialkylsulfonium Hydroxides – A. A. Sosunov, A. P. Kilimov, and V. V. Smirnov. 1502 1533
Structure and Properties of Heterocyclic Compounds and Their Complexes. XIV. Anisotropy of the Polarizability of Selenophene and Conformations of Its Carbonyl Derivatives – A. S. Kuzharov, V. N. Sheinker, O. A. Osipov, E. G. Derecha, and N. N. Magdesieva 1507 1539
Structure and Properties of Heterocyclic Compounds and Their Complexes. XV. Complex Formation of Imidazole and 1-Methylimidazole with Ethenetetracarbonitrile – V. N. Sheinker, L. S. Utkina, A. D. Garnovskii, S. B. Bulgarevich, and O. A. Osipov 1512 1545
Structural Features of Substituted Benzanilides – V. F. Mandyuk, V. L. Levashova, and R. V. Vizgert. 1517 1551
Tetra-2,3-(dibenzobarreleno)porphyrazine and Its Metal Derivatives – V. N. Kopranenkov and G. I. Rumyantseva 1521 1555
Synthesis and Properties of Phosphonium and Sulfonium Salts Derived from Methylquinolines – I. N. Chernyuk, V. V. Shelest, M. Yu. Kornilov, and G. T. Pilyugin. 1525 1559
Nature of the Effect of Ortho Substituents in the Electrochemical Oxidation of Certain Substituted Phenols – B. R. Gasanov and Ya. P. Stradyn' 1528 1563
Fluorescent Complexones of the Naphthol Series – V. Ya. Temkina, M. N. Rusina, G. F. Yaroshenko, M. Z. Branzburg, L. M. Timakova, and N. M. Dyatlova 1530 1564
Polarography of Complexes of Metals with Substituted Azo Compounds. V. Reactions of the Complex Formation of Aluminum with 4-(2-Pyridylazo)resorcinol, 1-(2-Pyridylazo)-2-naphthol, and 1-(2-Thiazolylazo)-2-naphthol – V. F. Toropova, G. K. Budnikov, and V. N. Maistrenko 1535 1570
Complexes of $NbCl_5$ with Aromatic Schiff Bases – L. A. Ugulava, N. I. Pirtskhalava, V. A. Kogan, A. S. Egorov, and O. A. Osipov. 1539 1575
Investigation of the Catalytic Activity of Internal-Complex Compounds of Transition Metals with Azomethines in Relation to Their Bacteriostatic Action – M. D. Aptekar' and Yu. M. Gordeev. 1542 1578
Complex Compounds of Platinum(II) with Bis-2-chloroethyl Sulfoxide – Yu. N. Kukushkin, I. V. Pakhomova, and A. N. Shan'ko 1546 1582
Complexes of Platinum(II) with Thiourea and Its Derivatives – Yu. N. Kukushkin, V. V. Sibirskaya, T. K. Mikhal'chenko, and L. V. Konovalov 1549 1584
Complex (Alkylthio)platinum(II) Compounds – Yu. N. Kukushkin, V. V. Sibirskaya, V. I. Baranovskii, N. S. Panina, and S. D. Banzargashieva 1553 1588
Synthesis and Electronic Absorption Spectra of Mono- and Bis-azomethines Derived from 1,3- and 1,5-Dimethylpyrazole-4-carboxaldehydes – B. I. Stepanov, S. P. Mal'tseva, and L. A. Kozlovskaya 1557 1592
Azo Coupling of 1-Diazonio-4-nitro-2-naphtholate with Resorcinol in Sulfuric Acid Solutions – B. I. Stepanov and N. A. Sakharova. 1561 1596
Heterogeneously Catalyzed Fischer Reaction. VIII. Cyclization of Acetaldehyde Phenylhydrazones Labeled with Hydrogen Isotopes in the Methyl Group – N. N. Suvorov, L. I. Dmitrievskaya, Yu. I. Smushkevich, and L. Yu. Petrovskaya. 1565 1600

Dielectric Constants and Dipole Moments of Some Organic Isocyanates — E. Z. Zhuravlev, P. V. Mulyanov, and N. M. Moncharzh 1570 1605
Structure and Properties of Chelates Formed in the Condensation of Cinnamic Acid with 4-Alkylresorcinols in Presence of Boron Fluoride — S. P. Starkov, A. I. Panasenko, A. A. Efimov, and L. I. Gromova 1576 1611
Borodine–Hunsdiecker Reaction in Sugar Chemistry. Synthesis of a Phosphorus Analog of a 2-Deoxy Aldonic Acid — Yu. A. Zhdanov, L. A. Uzlova, Z. I. Glebova, and G. K. Kist'yan 1579 1614
Polysaccharides of Algae. XVII. Water-Soluble Polysaccharides of the Red Algae Grateloupia divaricata Okamura and Grateloupia turuturu Yamada — A. I. Usov, L. I. Miroshnikova, and V. V. Barbakadze 1583 1618
Autooxidation of Oxyhemoglobin in Presence of Primary Aliphatic Alcohols — A. E. Myshkin, V. M. Chibrikin, and L. A. Piruzyan 1588 1624
Application of Dyes for the Determination of Hydrophobic Positions in Proteins with the Use of Detergents as Models — Oiin Somorin 1592 1628
Synthesis and Properties of [4-Glycine]- and [7-Glycine]-angiotensins II — A. P. Pavar, I. A. Bite, G. Ya. Avotin', and G. I. Chipens 1596 1632

LETTERS TO THE EDITOR

Synthesis of Aluminum Niobate with a Rutile Structure — G. G. Kasimov, A. U. Ospanov, and V. G. Teplov 1602 1639
Features of the Polarography of Alkyldinitrophenols — G. S. Supin, S. S. Lermanova, and V. P. Brysova 1603 1639
Reaction of Acetyl Dimethyl Phosphite with Tin Tetrachloride — A. N. Pudovik, A. A. Muratova, O. B. Sobanova, and É. G. Yarkova 1605 1640
Reactions of Metal and Organosilicon Derivatives of Dialkyl Phenylphosphoramidites with Benzaldehyde — A. N. Pudovik, É. S. Batyeva, V. A. Al'fonsov, and Yu. N. Girfanova 1606 1641
Influence of Solvents on the Rates of Phenolysis, Alcoholysis, and Acidolysis of Phosphoramidites — V. P. Evdakov and V. P. Beketov 1607 1642
Influence of Substituents on the Phosphorylation of Olefins with Phosphorus Pentachloride — V. G. Rozinov, V. V. Rybkina, E. F. Grechkin, and A. V. Kalabina 1609 1643
Influence of Conjugation on the Nature of the Products of the Phosphorylation of Olefins with Phosphorus Pentachloride — V. G. Rozinov, V. V. Rybkina, E. F. Grechkin, and A. V. Kalabina 1610 1644
Reactions of Unsymmetrical Cyclohexylphosphonothious O,S-Diesters with Alcohols and Amines — A. N. D'yakonov, P. M. Zavlin, and V. M. Al'bitskaya 1612 1645
Preparation of N-Substituted (α-Aminobenzyl)phosphinic Acids — V. I. Yudelevich and L. B. Sokolov 1613 1646
Conformations and Dynamics of Triaryl Derivatives of Group IVB Elements — V. I. Proshutinskii and I. I. Lapkin 1614 1646
New Method for the Synthesis of Hexamethyldisilathiane — E. P. Lebedev, V. A. Baburina, and D. V. Fridland 1615 1647
Complex Compounds of Organosilathianes with Ethylenediamine and 2-(Trimethylsiloxy)ethylamine — E. P. Lebedev and V. A. Baburina 1616 1648
Synthesis of Hydride Silanes Containing a Tricarbonyl(π-cyclopentadienyl)-manganese Residue — I. M. Gverdtsiteli, L. P. Asatiani, and S. Kh. Kiladze 1617 1648
1-(Mercaptoallyl)silatranes — M. G. Voronkov, M. S. Sorokin, V. M. D'yakov, F. P. Kletsko, and N. N. Vlasova 1618 1649
C-Methyl-Substituted 1-(Chloroalkyl)silatranes — M. G. Voronkov, V. M. D'yakov, and V. P. Baryshok 1619 1650
Halo–Ethynyl Exchange Reactions in Tin Compounds — E. T. Bogoradovskii, V. P. Novikov, V. S. Zavgorodnii, and A. A. Petrov 1620 1650

Esterification of the Adduct of Cyclopentadienylidenecyclohexane with Maleic Anhydride by Means of Alcohols – P. S. Belov, G. S. Katyreva, and N. V. Preobrazhenskaya. 1622 1651
Reaction of Diphenylphosphinous Isocyanate with Dimethyl Acetylenedicarboxylate – L. S. Rodionova, V. A. Galishev, V. N. Chistokletov, and A. A. Petrov 1623 1652
Reactions of Cyclohexylphosphonamidous Esters with Alcohols and Amines – A. N. D'yakonov, P. M. Zavlin, V. M. Al'bitskaya, and T. G. Shatrova 1624 1653

Volume 45, Number 8, Part 1 August, 1975

Thermal Stabilities of Thiourea Complex Compounds of Thulium, Yttrium, Lutetium, and Yttrium – Yu. G. Sakharova, N. N. Sakharova, and G. M. Borisova. 1625 1657
Electrolytic Properties of Cadmium Iodide in Organic Solvents – N. Ya. Lukina, A. V. Leshchenko, and E. P. Trailina. 1631 1663
Complex Formation of Diethylcarbamoyl Chloride and of N,N-Diethyl-2,5-dimethylbenzamide with Tin Tetrachloride – G. I. Vorob'ev, Yu. A. Naumov, N. V. Chulado, N. V. Zhdanova, A. A. Stepanova, and A. P. Isakova. 1636 1668
Polarographic Catalytic Currents of Chloride Complexes of Tin(IV) – Ya. I. Tur'yan, A. B. Sukhomlinov, and P. M. Zaitsev 1640 1672
Reactions of Dialkyl Hydrogen and Trialkyl Phosphites with Diazoacetic Esters – A. N. Pudovik and R. D. Gareev 1643 1674
Heats of Formation and IR Spectra of Complexes of Organotin Halides with Compounds Containing a P = O Group – I. P. Gol'dshtein, A. A. Muratova, E. N. Gur'yanova, V. P. Plekhov, T. A. Pestova, É. S. Shcherbakova, R. R. Shifrina, and A. N. Pudovik. 1653 1685
Reactions of Acylphosphoramidites with α, β-Unsaturated Compounds – A. N. Pudovik, É. S. Batyeva, A. S. Selivanova, V. D. Nesterenko, and V. P. Finnik. 1659 1692
1,3-Dipolar Addition to Unsaturated Compounds. XXXIV. Reactions of N-(Diphenylmethylene)-P,P-diphenylphosphinous Amide with Nitrilimines – V. A. Galishev, V. N. Chistokletov, and A. A. Petrov 1661 1695
Phosphorus-Containing Heterocycles. Condensation of Ethylene, Propylene, and o-Phenylene Ethylphosphonites with α, β-Unsaturated Ketones – M. P. Gruk, N. A. Razumova, and A. A. Petrov. 1663 1697
Reactions of Tetrakis(trifluoromethyl)tetraphosphetane with Fluoroalkyl Iodides – A. N. Lavrent'ev, I. G. Maslennikov, and E. G. Sochilin 1668 1702
Reactions of Acetals with Phosphorus(III) Chlorides – M. B. Gazizov, D. B. Sultanova, A. I. Razumov, T. V. Zykova, N. A. Anoshina, and R. A. Salakhutdinov. 1670 1704
Substituted Vinylphosphonic Derivatives. XX. Transformations of Substituted Vinylphosphonates under the Influence of Electrophilic Reagents – V. V. Moskva, S. A. Novruzov, V. M. Ismailov, A. I. Razumov, and T. V. Zykova 1674 1708
Phosphorylation of Cyanoformic Esters: Alkyl Dichloro[(trichlorophosphoranylidene)amino]acetates – N. P. Pisanenko, I. M. Kosinskaya, and V. I. Shevchenko. 1678 1712
Bis(p-isocyanatophenyl)-methyl- and -phenyl-phosphine Oxides – V. A. Shokol, V. V. Doroshenko, and G. I. Derkach 1680 1713
Physicochemical Properties and Structure of Diethyl Phosphoramidates – Yu. P. Egorov, Yu. Ya. Borovikov, E. P. Kreshchenko, A. M. Pinchuk, and T. V. Kovalevskaya. 1683 1716
Isomerization of Tetrahalo(2-isocyanatovinyl)phosphoranes and Features of Their Electron Structure – A. A. Kisilenko, Yu. P. Egorov, E. A. Stukalo, and L. N. Markovskii 1688 1722

Engl./Russ.

Phosphorylated and Thiophosphorylated Benzazolinylidene- and Benzazolyl-ureas — A. F. Grapov, A. Aripov, V. V. Galushina, and N. N. Mel'nikov 1691 1725
Reactivity of Six-Membered Heterocyclic γ-Keto Phosphines — I. N. Azerbaev, B. M. Butin, and Yu. G. Bosyakov 1696 1730
Electronic Nature of the Phosphoranylidenemethyl Group. I — R. I. Yurchenko, O. M. Voitsekhovskaya, I. N. Zhmurova, and N. N. Lysova 1700 1735
Influence of Substituents Attached to Phosphorus on the Auxochromic Action of the Phosphoranylideneamino Group. IV — R. I. Yurchenko, I. N. Zhmurova, and A. I. Sedlov 1705 1740
Reactions of Diphosphorus Pentasulfide with Alkyl Halides — I. V. Murav'ev and I. S. Fedorovich 1711 1746
Aryl Cyclophosphonitrilates: Interaction with Electrophilic and Nucleophilic Reagents — P. O. Gitel', L. F. Osipova, and O. P. Solovova 1714 1749
Reactions of Phosphorus(III) Acid Chlorides with 3,3-Bis(chloromethyl)oxetane and with Epichlorohydrin — L. A. Vlasova and E. V. Kuznetsov 1720 1755
Synthesis of O-Ethyl Hydrogen (Trichloromethyl)phosphonodithioate and Some of Its Derivatives — O. N. Grishina and L. M. Kosova 1723 1758
Aryl(2,3-epoxypropyl)phosphinic Esters and (2,3-Epoxypropyl)diphenylphosphine Oxide: Their Synthesis and Some Reactions — A. P. Rakov, E. A. Kosterin and G. F. Andreev 1726 1760
Halogenation of Chloroalkyl Esters of α,β-Unsaturated Organophosphorus Esters. I. Bromo Derivatives from Bis(2-chloroethyl) Vinylphosphonate — E. L. Gefter, I. A. Rogacheva, V. M. Chukova, Ya. G. Urman, A. Kh. Bulai, and I. Ya. Slonim .. 1730 1764
Silicon- and Phosphorus-Containing Ethylene Derivatives — E. A. Chernyshev, E. F. Bugerenko, G. P. Matveicheva, V. N. Bochkarev, and A. V. Kisin 1733 1768
Organoboron Compounds. CCCVII. Chelate Boron Compounds from Amidines and Aldehydes — V. A. Dorokhov, V. I. Seredenko, and B. M. Mikhailov 1737 1772
Ionic Association of Onium Salts in Solutions. VIII. Electric Conductance of Ammonium Salts of Some Acid (Trichloromethyl)phosphonic Esters and Aryl(trichloromethyl)phosphinic Acids in Solvents of Medium Dielectric Constant — V. M. Tsentovskii, V. P. Barabanov, A. Ya. Tret'yakova, F. M. Kharrasova, and R. V. Sultanova 1741 1776
Alkali-Metal Fluorotrimethoxyborates — V. N. Plakhotnik, N. G. Parkhomenko, and V. V. Evsikov 1745 1780

Volume 45, Number 8, Part 2 August, 1975

Application of the PMR Method to the Investigation of the Acidic Properties of Complex Compounds of Pt(II) with Acetone Oxime — A. I. Stetsenko, N. K. Skvortsov, and B. S. Lipner 1749 1783
Complex Compounds of Pt(II) with α-(Hydroxyamino) Oximes — A. I. Stetsenko, K. P. Naumova, and L. B. Volodarskii 1753 1787
Reactions of Organomercury Chlorides with Lithium Deuteride — S. F. Zhil'tsov, L. I. Kachaeva, and O. N. Druzhkov 1759 1793
Properties of Cyclopropyl-Containing Organosilicon Compounds Prepared from Alkenylsilanes by the Simmons–Smith Reaction — V. F. Mironov, V. D. Sheludyakov, V. V. Shcherbinin, and E. A. Viktorov 1762 1796
Hydrosilylation of Tertiary β-Allenic Alcohols with Triethylsilane — K. I. Cherkezishvili, I. M. Gverdtsiteli, and M. O. Taktakishvili 1768 1802
Alkoxysilanes. XXIV. Trialkoxy[organylthio)alkyl]silanes — M. G. Voronkov, M. S. Sorokin, V. M. D'yakov, and M. V. Sigalov 1773 1807
Structure and Properties of Heterocyclic Compounds and Their Complexes. XIII. Infrared Spectra of Complex Compounds of Methylimidazoles with Group III Metal Halides — V. N. Sheinker, T. A. Zayakina, D. Ya. Movshovich, A. D. Garnovskii, and O. A. Osipov 1777 1812

Structure and Properties of Heterocyclic Compounds and Their Complexes. XVIII. Determination of the Polarizability Tensor from the Temperature Dependence of the Molar Kerr Constant. Polarizability Tensor of 1-Methylpyrrole – A. S. Kuzharov, V. N. Sheinker, and O. A. Osipov 1782 1817

Structure and Properties of Heterocyclic Compounds and Their Complexes. XIX. Vector-Additivity Scheme for the Calculation of the Dipole Moments of Azoles – S. B. Bulgarevich, V. S. Bolotnikov, V. N. Sheinker, O. A. Osipov, and A. D. Garnovskii 1786 1821

Complexes of Cobalt(II) Bromide with Phenylhydrazine and Its Derivatives – V. A. Starodub and M. S. Novakovskii 1791 1827

Complexes of Cobalt(II) Chloride with Halo and Nitro Derivatives of Phenylhydrazine – M. S. Novakovskii and V. A. Starodub 1794 1830

Products of the Reactions of Alkanethiols with Isomeric Diamminedichloroplatinums – Yu. N. Kukushkin, V. V. Sibirskaya, and S. D. Banzargashieva 1798 1834

Polarographic Reduction of Azidohalobenzenes – N. I. Malyugina, N. L. Gusarskaya, and A. V. Oleinik 1801 1837

Oxidation-Reduction Reactions of Phthalocyanines and Allied Compounds. II. Nature of the Intermediate Products in the Oxidation of Phthalocyanines by Acyl Peroxides – S. V. Vul'fson, O. I. Lyubimova, A. G. Kotov, O. L. Kaliya, O. L. Lebedev, and E. A. Luk'yanets 1805 1841

Behavior of Chloro Derivatives of s-Triazine in Alkaline Aqueous–Organic Solutions – T. N. Motorova (Bykhovskaya), O. N. Vlasov, I. A. Mel'nikova, and N. N. Mel'nikov 1810 1847

Constants Based on Equilibrium Constants and Possibilities of Their Application – O. A. Erastov, S. N. Ignat'eva, and L. P. Krasnyuk 1814 1852

^{79}Br and ^{81}Br NQR and IR Spectra of Complexes of Aluminum Bromide with Ketones – L. A. Lobanova, E. N. Gur'yanova, A. F. Volkov, and R. R. Shifrina 1819 1857

Synthesis of 2-Aryl-4-oxo-4H-1,3-benzoxazinium Salts – G. N. Dorofeenko, Yu. I. Ryabukhin, and V. V. Mezheritskii 1823 1860

Association of 1-Methylcyclohexyl Hydroperoxide – M. N. Puring, V. A. Itskovich, V. M. Potekhin, Yu. F. Sigolaev, and V. A. Proskuryakov .. 1826 1863

Kinetic Study of the Acid-Catalyzed Hydrolysis of (Alkynyloxy)ethylenes – G. G. Balezina, V. M. Vlasov, N. M. Deriglazov, and S. F. Malysheva 1832 1869

Aminoferrocenylacetonitriles – É. É. Vittal', A. S. Gibin, and A. V. Dombrovskii 1835 1872

Natural Peptides and Their Analogs. VI. Synthesis of Arg^5 and Gly^6 Analogs of the B$^{1-8}$ Fragment of Insulin – L. A. Kolomeitseva, V. F. Krivtsov, and Yu. P. Shvachkin 1837 1874

Polarographic Investigation of Compounds of the Vitamin B_{12} Series in Dimethylformamide – I. Ya. Levitin, I. P. Rudakova, A. L. Sigan, T. A. Pospelova, A. M. Yurkevich, and M. E. Vol'pin 1841 1879

Influence of Certain Factors on the Deblocking Stage in the Solid-Phase Synthesis of Peptides – N. Yu. Kozhevnikova, A. Yu. Bilibin, and G. P. Vlasov 1847 1885

Products of the Transformation of Sclareol. I. Oxidation of Sclareol with Chromic Acid Mixture Taken in an Amount Corresponding to Two g-atoms of Active Oxygen – P. F. Vlad and Lieu Tkhi Xuan 1850 1887

LETTERS TO THE EDITOR

Synthesis of Peptides with the Use of Triphenyl Phosphite and Imidazole – A. T. Gudkov 1855 1893

Transamidation of Phosphoramidites with S-(Diethoxyphosphinyl)-N,N-diethylthiohydroxylamine – N. I. Gusar', M. P. Chaus, and Yu. G. Gololobov 1856 1894

Reactions of Tetramethyldiphosphine Disulfide with Carboxylic Acid Chlorides and the Chemical Polarization of Phosphorus Nuclei in Its Transformation Products – A. N. Pudovik, G. V. Romanov, A. A. Lapin, and É. I. Gol'dfarb 1857 1895
Reaction of Bis(trimethylsilyl) Hypophosphite with Methyl Trimethylpyruvate – A. N. Pudovik, G. V. Romanov, and R. Ya. Nazmutdinov 1858 1896
Claisen Rearrangement in the Phosphatazine Series – R. D. Gareev and A. N. Pudovik 1860 1897
Reactions of Dialkylphosphinodithioic Esters with Alkyl Bromides – E. A. Krasil'nikova, A. I. Razumov, I. M. Starshov, G. V. Orlova, M. I. Starshov, and L. P. Sergeicheva 1861 1898
Trimesitylboron Dianions – M. I. Terekhova, Yu. A. Baslerova, V. I. Mel'nikova, É. S. Petrov, K. K. Pivnitskii, and A. I. Shatenshtein 1862 1899
Unusual Reaction of Calcium Bis(tetraethylaluminate) with Indene – L. I. Zakharkin, S. Ya. Zavizion, and L. L. Ivanov 1864 1900
Trialkylsilyl Nitrates – M. G. Voronkov, E. A. Maletina, and V. K. Roman 1865 1900
1-(Organoxyalkyl)silatranes – M. G. Voronkov, V. M. D'yakov, M. S. Sorokin, S. N. Tandura, and N. F. Chernov 1866 1901
1-(Chlorovinyl)silatranes – M. G. Voronkov, V. M. D'yakov, V. P. Baryshok, S. N. Tandura, and V. F. Mironov 1867 1902
1-(3-Fluoropropyl)silatranes – M. G. Voronkov, V. M. D'yakov, and O. N. Florensova 1868 1902
Trialkoxy[(aroyloxy)alkyl]silanes – M. G. Voronkov, L. I. Gubanova, and V. M. D'yakov 1869 1903
1-(Haloalkyl)silatranes in the Arbuzov Reaction – V. M. D'yakov and M. G. Voronkov 1870 1903
1-[(Organylthio)alkyl]silatranes – M. G. Voronkov, M. S. Sorokin, and V. M. D'yakov 1871 1904
1-[(Aroyloxy)alkyl]silatranes – M. G. Voronkov, V. M. D'yakov, and L. I. Gubanova 1872 1905
New Dimetalloorganic Compounds with Bonds of Tin and Germanium with a Transition Metal – B. I. Petrov, G. S. Kalinina, and Yu. A. Sorokin 1873 1905
Complex-Forming Power of Tetraorganostannanes – V. S. Zavgorodnii, B. V. Polozov, E. T. Bogoradovskii, and A. A. Petrov 1874 1906
Conjugation Effect in Cyclopropyl Compounds of Silicon – V. I. Glizerman, V. S. Nikitin, A. N. Egorochkin, V. D. Sheludyakov, V. V. Shcherbinin, N. A. Viktorov, and V. F. Mironov 1875 1907
Intramolecular Rearrangement of Silylcyclopropanes in Their Thermolysis – V. F. Mironov, V. V. Shcherbinin, N. A. Viktorov, and V. D. Sheludyakov 1877 1908
Synthesis of Silicon Derivatives of Three-Membered Heterocycles – L. P. Vakhrushev, E. F. Filippov, N. F. Chernov, and V. P. Ageev 1878 1908

Volume 45, Number 9, Part 1 September, 1975

Investigation of the Distribution of $FeCl_3$ and HCl on the Basis of the Phase Diagram of the System $HCl - H_2O - [(CH_3)_2CH]_2O$ – V. G. Shverina 1879 1913
Binary Systems of o- and p-Chlorotoluenes with CCl_4, $CHCl_3$, $CHBr_3$, $SnCl_4$, PCl_3, $SbCl_5$, and $HCON(CH_3)_2$ – R. G. Makitra, Ya. M. Tsikanchuk, and D. K. Tolopko 1883 1917
Influence of Additions on Distribution in the System p-Dichlorobenzene–Diphenylamine–Water – L. G. Pakhonov and L. N. Alekseev 1887 1922
Composition of Dilute Aqueous Solutions of Alkali Silicates – N. K. Ivanov, I. P. Maksimova, and Yu. N. Zhikharev 1890 1925

Engl./Russ.

Solubility in the Ternary Systems of Nitromethane and Ethylene Glycol with Pentadecyl Alcohol and with Hexadecyl Alcohol – I. K. Zhuravleva, E. F. Zhuravlev, and R. R. Faizulova 1894 1929
Unusual Deprotonation of Phosphonium Salts. Phosphonium Dyes – M. I. Shevchuk, I. V. Megera, A. F. Tolochko, and A. V. Dombrovskii 1898 1934
N-Alkyl-P-(trichloromethyl)phosphonimidic Dichlorides – É. S. Kozlov and S. N. Gaidamaka 1904 1939
Reactions of Alkylbis(hydroxymethyl)phosphines with Propylene Oxide – R. K. Valetdinov and Sh. I. Zaripov 1908 1943
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. XCIV. Kinetics of the Acid Hydrolysis of Diallylphosphinic Esters – A. I. Razumov, I. A. Krivosheeva, B. G. Liorber, T. A. Tarzivolova, and V. A. Pavlov 1911 1946
Mixed Phosphoric–Phosphorous Amides: Dialkyl Phosphinophosphoramidates – I. A. Nuretdinov, N. P. Grechkin, L. K. Nikonorova, and É. I. Loginova 1914 1948
Orientation in the Replacement of Chlorine Atoms in Hexachlorocyclotriphosphazene by Fluoroalkoxy Groups – V. N. Sharov, V. N. Prons, V. V. Korol'ko, A. L. Klebanskii, and G. P. Kondratenkov 1919 1953
Influence of Substituents Attached to Phosphorus on the Auxochromic Action of the Phosphoranylideneamino Group. V – I. N. Zhmurova and V. G. Yurchenko 1924 1958
Electronic Nature of the Phosphoranylidenemethyl Group. II – R. I. Yurchenko, O. M. Voitsekhovskaya, and I. N. Zhmurova 1927 1961
Reactions of Trichloromethyl Isocyanate with Alkyl Phosphorodihalidites and Dialkyl Phosphorohalidites – V. A. Shokol, B. N. Kozhushko, and A. V. Gumenyuk 1931 1965
Mössbauer Spectra of Complexes of Organophosphorus Compounds with Tin Halides – R. A. Manapov, I. Ya. Kuramshin, A. A. Muratova, and A. N. Pudovik 1940 1975
Complexes of Bidentate Organophosphorus Compounds with Tin Tetrahalides – I. Ya. Kuramshin, A. A. Muratova, S. V. Shulyndin, M. K. Il'ina, R. A. Manapov, and A. N. Pudovik 1944 1979
Reactions of Diethyl Trimethylsilyl Phosphite and of Acetyl Diethyl Phosphite with Fluorinated Ketones – A. M. Kibardin, T. Kh. Gazizov, and A. N. Pudovik .. 1947 1982
Synthesis of 1,3-Oxaphosphetane Derivatives – T. A. Zyablikova, N. V. Ivasyuk, É. Kh. Mukhametzyanova, and I. M. Shermergorn 1950 1984
^{35}Cl NQR Spectra of Phosphorimidic Trichlorides, and the Problem of Rotation around the P=N Bond – I. A. Kyuntsel', V. A. Mokeeva, G. B. Soifer, É. S. Kozlov, and M. I. Povolotskii 1954 1989
Reactions of Carbon Dioxide with Hydride Complexes of Ruthenium – I. S. Kolomnikov, T. S. Belopotapova, and M. E. Vol'pin 1958 1993
PMR Spectra of and Electron-Density Distribution in Some Acetylenic Arsines and Arsonium Salts Derived from Them – K. I. Kuz'min, T. V. Zykova, and Z. U. Panfilovich 1963 1998
Coordination Compounds of Sb(V) with Acyclic N-Acyl Amides – T. N. Sumarokova, I. G. Litvyak, and É. M. Vorob'eva 1966 2001
Synthesis and Reactions of Silyl Carbamates. New Method for the Preparation of Organic Isocyanates without the Use of Phosgene – V. F. Mironov, V. P. Kozyukov, A. D. Kirilin, V. D. Sheludyakov, Yu. I. Dergunov, and I. A. Vostokov 1971 2007
Alkoxysilanes. XXV. Trialkoxy(iodoalkyl)silanes – M. G. Voronkov, V. M. D'yakov, Yu. A. Lukina, G. A. Samsonova, and N. M. Kudyakov 1974 2010

Volume 45, Number 9, Part 2 September, 1975

Reactions of Organosilanes with Carbenes. I. Reactions of Triethyl- and Diethylvinylsilanes with (Ethoxycarbonyl)carbene – L. P. Danilkina, V. N. Mil'kina, and O. V. Dorokhova 1977 2014

	Engl.	Russ.
Reactions of Aromatic Aldehydes with Triorganosilanes – N. E. Glushkova and N. P. Kharitonov	1981	2018
Synthesis and Properties of Organosilicon, Organogermanium, and Organotin Compounds. [2-(Arylthio)ethyl]-silanes, -germanes, and -stannanes – A. A. Dzhafarov, I. A. Aslanov, and D. A. Kochkin	1986	2023
N-Dimethylsilyl Derivatives of Some Industrial Diamines and Their Phosgenation – I. A. Vostokov, Yu. I. Dergunov, V. F. Mironov, V. D. Sheludyakov, and V. P. Kozyukov	1989	2025
Synthesis of (1-Adamantyl)alkyl(and aryl)silanols and Their Reactions with α-Chloro Ethers – S. S. Novikov, B. I. No, and V. P. Ushchenko	1993	2029
Kinetics of the Addition of Triorganosilanes to 1-Heptene in Presence of $PtCl_6^{2-}$ on an Anion Exchanger – V. N. Vinogradov, V. O. Reikhsfel'd, N. A. Filippov, T. N. Zaslavskaya, and G. L. Korichev	1995	2031
Some Properties of Subgroup IVB Organohydrides and Their Solutions – V. A. Ivanov, V. O. Reikhsfel'd, and I. E. Saratov	1999	2036
Reaction of Hexabutyldistannathiane with Carbon Tetrachloride in Presence of Triphenylphosphine – I. K. Grigor'eva, V. I. Shcherbakov, and O. S. D'yachkovskaya	2003	2040
Metalated Vinyl Ethers – M. A. Kazankova, T. I. Zverkova, and I. F. Lutsenko	2006	2044
Dimeric Chelates of Mn(III) with Tridentate Schiff Bases – V. V. Zelentsov, I. K. Somova, and K. M. Suvorova	2013	2051
Some Reactions of Aryl Isothiocyanates with Substituted Anilines – Nguyen Cong Zinh, N. A. Barba, A. M. Shur, and I. A. Gershkovich	2019	2057
Kinetics of the Hydrolysis of the Lactone Ring of Natural Coumarins in Aqueous–Organic Media – Yu. E. Orlov and R. V. Piskareva	2023	2062
Friedel-Crafts Synthesis of Substituted N,N-Dialkylbenzamides (Insect Repellents) – Yu. A. Naumov, A. P. Isakova, A. N. Kost, N. F. Moiseikina, and S. V. Nikeryasova	2026	2065
H Complexes of Phenols with Tributyl Phosphate and Diisopentyl Methylphosphonate – V. S. Pilyugin and Yu. B. Yasman	2030	2068
Ionization Constant and Distribution Coefficients of 5-Chloropyrophthalone – A. A. Apsitis, K. Ya. Dorfman, and V. P. Oshkaya	2036	2074
Kinetics of the Ionization of tert-Butyl Halides in Propylene Carbonate – N. I. Kulik, É. A. Ponomareva, and G. F. Dvorko	2039	2077
Oligopeptides with Hormonal Activity Containing Cytotoxic Amino Acids and Their Analogs. I. Synthesis of Modified Fragments of the α-Melanocyte-Stimulating Hormone with the 7-10 Amino-Acid Sequence – L. I. Smirnova, N. M. Kashnikova, and E. N. Shkodinskaya	2044	2082
Optical Properties and Structure of S-Nucleosyl-L-homocysteines and Their S-Oxides – V. N. Rekunova, I. P. Rudakova, and A. M. Yurkevich	2047	2085
Synthesis of Isoxazoline Derivatives of Steroids – L. N. Volovel'skii, N. V. Popova, M. Ya. Yakovleva, and V. G. Khukhryanskii	2051	2090
LETTERS TO THE EDITOR		
Disulfides Derived from Tetrahydro-3,4-thiophenediol O,O'-Bis(Hydrogen Alkylphosphonodithioate) 1,1-Dioxides – O. N. Grishina and N. A. Andreev	2054	2093
Phosphorylated s-Triazine Derivatives – V. A. Shokol, B. N. Kozhushko, and A. M. Kolesnikov	2055	2093
Reactions of Diethyl Trimethylsilyl Phosphite and of Diethyl Phosphorochloridite with 1,2-Cyclohexanedione – A. N. Pudovik, T. Kh. Gazizov, and A. M. Kibardin	2056	2094
Reactions of Diethyl (Trimethylsilyl)phosphoramidite with Electrophilic Reagents – A. N. Pudovik, É. S. Batyeva, and E. N. Ofitserov	2057	2095
Reactions of (Tricyanomethyl)sodium with (1,1-Dichloroalkyl)phosphorimidic Trichlorides – N. G. Pavlenko and V. P. Kukhar'	2058	2096
Dynamic Stereochemistry of Mesitylphosphorus Compounds – B. I. Stepanov, V. M. Matyuk, A. I. Bokanov, and E. N. Karpova	2059	2096

Preparation of Standard Samples for NMR Spectrometers – B. V. Semakov, A. I. Maleeva, and B. I. Ionin 2061 2097
Carbaborane-B-carboxylic Acids and Their Derivatives – V. I. Grigos, S. Ya. Pechurina, A. F. Gladchenko, and V. F. Mironov 2062 2098
Reduction of the Molybdate Ion with Sodium Tetrahydroborate in an Alkaline Medium – F. I. Andreev and V. S. Khain 2063 2099
Reactions of Trimethyl(vinyloxy)silanes with Halogens, Cyanogen Bromide, and Thiocyanogen – L. A. Lazukina, V. P. Kukhar', and G. V. Pesotskaya 2065 2100
Reactions of Acetylene with Chloroorganosilanes in Presence of Sodium – N. V. Komarov and L. I. Loi 2066 2101
Reactions of Ethynylsodium with Dichloroorganosilanes – N. V. Komarov and L. I. Loi . 2067 2101
Silicon- and Germanium-Containing Epoxy Acetates – R. A. Sultanov, O. V. Askerov, L. A. Aronova, I. A. Khudayarov, and S. I. Sadykh-zade 2068 2102
Synthesis of Silicon-Containing Derivatives of 6,6-Disubstituted Fulvenes – V. I. Koshutin, V. I. Emyashev, and V. A. Smirnov 2069 2103
Reactions of Trialkyl- and tert-Butoxydimethyl-vinylsilanes with (Ethoxycarbonyl)carbene – G. P. Bugaeva, G. V. Golodnikov, L. P. Danilkina, and Ya. P. Pecheritsyna ... 2070 2104
New Chiral Lanthanoid Shift Reagent – V. M. Potapov, V. G. Bakhmut-skaya, I. G. Il'ina, G. I. Vinnik, and E. G. Rukhadze 2071 2104
Electrochemical Hypobromination of Olefins – V. F. Mel'nikov, V. I. Koshutin, and V. A. Smirnov 2072 2105
Polarographic Determination of the Equilibrium Constant of the Reaction of 2-Aminoethanol with Formaldehyde – Ya. I. Tur'yan 2073 2105
Equilibrium Constants of Reactions of Formaldehyde with Nitro Compounds in Alkaline Solutions – Ya. I. Tur'yan 2074 2106
Equilibrium in Reactions of Formaldehyde with Amino Acids in Alkaline Solutions with Allowance for the Acidic Properties of Formaldehyde Monohydrate – Ya. I. Tur'yan 2076 2107
Rotational Isomerism of Dichlorophenoxyphenylsilane – V. I. Fedoseeva, T. L. Krasnova, Yu. A. Pentin, and E. A. Chernyshev 2077 2108
Synthesis of (Silylmethyl)adamantanes – V. F. Mironov, N. S. Fedotov, and T. E. Latysheva 2078 2109
Solid-Phase Synthesis of an Oligonucleopeptide Containing a Monotonic Block of Adenylyl-N^9-α-alanine Residues – Yu. P. Shvachkin, Yu. A. Semiletov, and G. A. Korshunova 2079 2110
Solid-Phase Synthesis of Deaminotocic Acid with Formation of the Disulfide Ring on the Polymeric Carrier – O. S. Pansuevich and S. Ya. Miksta 2080 2111
Electroreduction of Alkyl Benzyl Ethers. Removal of O-Benzyl Protection with the Use of "Internal" and "External" Activation – V. G. Mairanovskii and N. F. Loginova .. 2082 2112
Reactions of P-Cyclohexylphosphonamidothious Esters with Nucleophilic Reagents – P. M. Zavlin, A. N. D'yakonov, and V. M. Al'bitskaya 2084 2113

Volume 45, Number 10, Part 1 October, 1975

N-Unsubstituted Phosphine Imides – A. S. Shtepanek, L. M. Tochilkina, and A. V. Kirsanov 2085 2117
Reactions of Alkylene Methyl Phosphites with Phenylglyoxylonitrile – I. V. Konovalova, É. Kh. Ofitserova, N. P. Anoshina, and A. N. Pudovik 2088 2119
Reactions of Phosphorochloridous Esters with α,β-Unsaturated Acids – A. N. Pudovik, T. Kh. Gazizov, A. P. Pashinkin, and V. A. Kharlamov 2092 2123
Stereochemistry of Organophosphorus Compounds. VII. Configurations and Features of PMR Spectra of Some Unsaturated Compounds Containing Two Phosphorus Atoms – Yu. Yu. Samitov, E. A. Berdnikov, F. R. Tantasheva, B. Ya. Margulis, and E. G. Kataev. 2097 2130

Stereochemistry of Organophosphorus Compounds. VI. Tetrahydro-1,4,2-oxazaphosphorine 2-Oxide Derivatives, Stereoisomeric Products of the Reactions of 1,3,2-Oxazaphospholidines with Substituted Aromatic Aldehydes and with Ketones. Anisochronal Character of Exo- and Endo-cyclic Diastereotopic Groups in the PMR Spectra – Yu. Yu. Samitov, M. A. Pudovik, L. K. Kibardina, and A. N. Pudovik 2102 2134

Phosphonium Salts Prepared from 2-Chlorovinyl Ketones. (2-Acyl-1-phenylethyl)diphenylphosphine Oxides – M. I. Shevchuk, S. T. Shpak, and A. V. Dombrovskii 2109 2143

Reactions of (Aroylmethylene)triphenylphosphoranes with Benzoyl Isothiocyanate: [Aroyl(benzoylthiocarbamoyl)methylene]triphenylphosphoranes – A. F. Tolochko, I. V. Megera, L. V. Zykova, and M. I. Shevchuk 2116 2150

Mono-, Bis-, and Tris-[3,3-bis(2-chloroethyl)ureides] of Phosphorus Acids – V. M. Ovrutskii, V. A. Shokol, I. I. Kuz'menko, L. I. Molyavko, and L. D. Protsenko 2120 2154

Phosphorylated Aminopyrimidines – L. V. Razvodovskaya, A. F. Grapov, and N. N. Mel'nikov 2122 2156

Method for the Preparation of Vinyl Phosphates – I. N. Nagayuk, V. I. Lomakina, and Ya. A. Mandel'baum 2125 2159

Reactions of Acid Phosphonous Esters and Hypophosphites with Azines – É. E. Nifant'ev, N. V. Zyk, M. P. Koroteev, and V. N. Abramov 2128 2162

Halogenation of [2-(Dichlorophosphinyl)vinyl]carbonimidic Dichlorides [[2-[(Dichloromethylene)amino]-1-alkenyl]phosphonic Dichlorides] – E. A. Stukalo, V. V. Doroshenko, and L. N. Markovskii 2132 2166

Eight-Membered Cyclic Organophosphorus Compounds – V. G. Gruzdev 2137 2172

Synthesis of Derivatives of Di-o-tolylarsine – R. D. Gigauri, M. A. Indzhiya, B. D. Chernokal'skii, and M. M. Ugulava 2142 2179

Reactions of Alkyldiarylarsine Oxides under the Action of Alkyl Halides – Yu. F. Gatilov, B. E. Abalonin, and Z. M. Izmailova 2145 2182

Carbonyl-Containing Organogermanium Compounds – V. F. Mironov, M. V. Tsotadze, T. K. Gar, and I. M. Gverdtsiteli 2148 2185

Organosilicon Derivatives of Diethylenetriamine – G. S. Gol'din, L. S. Baturina, and T. N. Gavrilova 2152 2189

Spectroscopic Investigation of the Donor–Acceptor Properties of Alkoxymethylsilanes, Alkoxyethynylmethylsilanes, and Their Carbon Analogs – M. G. Voronkov, N. I. Shergina, O. G. Yarosh, N. V. Strashnikova, and Z. G. Ivanova 2157 2194

Electronic Effects of Substituents in N-[(Trialkylsilyl)alkyl)piperidines – M. G. Voronkov, T. V. Kashik, É. Ya. Lukevits, E. S. Deriglazova, and A. E. Pestunovich 2162 2200

I. Reaction of Tetrahydrofuran with Dichlorodimethylsilane in Presence of Ethanol – K. A. Andrianov, L. M. Volkova, and O. G. Blokhina 2167 2206

II. Splitting of Tetrahydrofuran by Dichlorodiorganosilanes in Presence of of Alcohols – K. A. Andrianov, L. M. Volkova, and L. P. Ovsyannikova 2171 2210

Hydride Addition of Pentamethyldisiloxane to Heptamethylvinylcyclotetrasiloxane in Presence of Complex Compounds of Group VIII Metals. XXIV. Catalysis by Complex Compounds of Metals – K. A. Andrianov, J. Souček, J. Hetflejš, and L. M. Khananashvili 2176 2215

Thermal Reaction of Hexachlorodisilane with Cyclooctatetraene – E. A. Chernyshev, N. G. Komalenkova, S. A. Bashkirova, A. V. Kisin, and V. I. Pchelintsev 2181 2221

Silicon-Containing Heterocyclic Compounds. XX. Participation of Chloroorganosilylenes in Pyrolytic Reactions of the Formation of Silicon-Containing Heterocycles – E. A. Chernyshev, N. G. Komalenkova, T. A. Klochkova, and T. M. Kuz'mina 2183 2223

Engl./Russ.

Silicon-Containing Heterocyclic Compounds. XXI. Synthesis and Some Properties of 1-Sila-3,4-benzocyclohexa-3,5-diene [1,2-Dihydro-2-silanaphthalene] Derivatives – E. A. Chernyshev, N. G. Komalenkova, S. A. Bashkirova, T. M. Kuz'mina, and A. V. Kisin 2186 2227

Organosilicon Heterocyclic Compounds. XXII. Pyrolytic Synthesis of Chloroorganosilicon Compounds Derived from 2-Oxo-1,3-disilaphenalan and 2-Oxa-1,3-disilaindan – E. A. Chernyshev, N. G. Komalenkova, T. A. Klochkova, T. M. Kuz'mina, and V. N. Bochkarev 2189 2229

Volume 45, Number 10, Part 2 October, 1975

Reactions of Benzenesulfonyl Isocyanate with Organosilicon, Organogermanium, and Organotin Carbodiimides – Yu. I. Dergunov, A. S. Gordetsov, I. A. Vostokov, and V. A. Gal'perin 2193 2234

Reactions of Organosilicon and Organogermanium Carbodiimides with Hydroxy Compounds – I. A. Vostokov, A. S. Gordetsov, and Yu. I. Dergunov 2196 2237

Reactions of Benzenesulfonyl Isocyanate with Organosilicon Compounds – Yu. I. Dergunov, N. I. Mysin, and Yu. I. Mushkin 2199 2240

Infrared- and Mössbauer-Spectral Study of Hydride Organo-silanes, -germanes, and -stannanes – V. O. Reikhsfel'd, V. A. Ivanov, and I. E. Saratov 2202 2243

Reactivity of [p-Phenylenebis(dimethylsilylene)]bismethanol in Carbamate-Formation Reactions – K. V. Zapunnaya and V. P. Kuznetsova 2205 2246

Ionization Constants of Aminonaphtholmonosulfonic Acids. I – B. I. Stepanov, L. N. Ogoleva, and V. A. Chertov 2209 2250

Comparison of Pentachloro- and Pentafluoro-phenols as Proton Donors with the Aid of IR Spectra – G. S. Denisov, A. L. Smolyanskii, A. A. Trusov, M. I. Sheikh-Zade, and V. M. Shraiber 2212 2253

Many-Electron Electrode Processes. III. Electrochemical Reactivities of Substituted Benzophenones – Yu. M. Kargin, N. I. Semakhina, and V. Z. Kondranina 2217 2258

Compounds of 8-Quinolinol 1-Oxide with Rare-Earth Elements – T. M. Shevchenko, É. S. Pavlenko, and V. V. Serebrennikov 2222 2263

Extraction of Thiocyanate Complexes of Manganese by Solutions of Petroleum Sulfoxides – A. I. Gorbanev, Z. N. Tsvetkova, G. S. Fomin, and R. V. Kalmykova . . 2226 2266

Hydrogen Bonds of Amides. IV. Conformations and Electron-Donor Powers of 2-Chloro-N-methylacetamides – I. M. Ginzburg and B. P. Tarasov 2230 2269

Influence of Solvents on the Electronic Spectra of Benzene Derivatives. I. Field Interaction of Molecules – A. E. Lutskii, V. V. Bocharova, and M. R. Kreslavskii . 2236 2276

Alloxazines and Isoalloxazines. XLIII. Tautomerism of Alloxazines in the Electronically Excited State – L. S. Tul'chinskaya, L. G. Zapesochnaya, N. A. Polyakova, E. N. Viktorova, A. S. Cherkasov, and V. M. Berezovskii 2240 2280

Synergists of Insecticides. IV. Polarography of Some 4-Substituted 1,2-(Methylenedioxy)benzenes – B. B. Lurik, R. I. Marinova, and Yu. P. Volkov 2246 2287

Radiolysis of Complex Compounds of 2-Aminoethanethiol – S. A. Grachev, L. I. Shchelkunova, Yu. A. Makashev, and T. S. Burzina 2250 2291

Complex Compounds of Aromatic Amines with Platinum(II). VI. Structure of Bis(arylamino)dichloroplatinates(II) and Their Reactions with Thiourea – T. O. Blyumental', T. Ya. Paperno, V. V. Razumovskii, and L. V. Konovalov . . 2254 2296

Reactions of Mercury Acetate with 1,2-Di- and 1,2,3-Tri-phenylcyclopropanes – Yu. S. Shabarov, L. D. Sychkova, S. G. Bandaev, and O. A. Subbotin 2258 2300

Stereospecific Synthesis of 1,2-trans-Glycosyl Phosphates – L. L. Danilov, L. V. Volkova, and R. P. Evstigneeva 2265 2307

Reactions of Hydroperoxides. XX. Role of Substituents in the Epoxidation of Cyclic Olefins with tert-Pentyl Hydroperoxide Catalyzed by Molybdenum Compounds – V. P. Yur'ev, I. A. Gailyunas, L. V. Spirikhin, and G. A. Tolstikov 2269 2312

Synthesis and Mass-Spectrometric Study of Lysine-Containing Peptides. I. Synthesis of Isomers with Peptide Links with Lysine through the α- and ε-Amino Groups — L. I. Rostovtseva and A. S. Khokhlov 2274 2318
Synthesis and Mass-Spectrometric Study of Lysine-Containing Peptides. II. Influence of Various N-End Substituents in the α- and ε-Amino Groups of Lysine on the Mass-Spectrometric Behavior of Lysine-Containing Peptides — L. I. Rostovtseva and A. S. Khokhlov 2279 2323
Chemistry of Polymyxin M. XIX. Structure of Polymyxin M — A. B. Silaev, S. N. Maevskaya, Zh. P. Trifonova, E. P. Yulikova, N. M. Vasil'eva, and G. S. Katrukha 2287 2331

LETTERS TO THE EDITOR

Reaction of 2- Ethyl-2,3-dihydro-1,3,2-benzoxazaphosphole Pyrocatechol in Presence of Bases — M. A. Pudovik, S. A. Terent'eva, and A. N. Pudovik 2292 2337
Mechanism of Reactions of Phosphorus(III) Acid Amides with Amines and Carbonyl Compounds — A. N. Pudovik, É. S. Batyeva, E. N. Ofitserov, and V. A. Al'fonsov .. 2293 2338
Reactions of Diethyl Phosphorochloridite with Hydrogen Chloride and of Phosphorus Trichloride with Ethanol — T. Kh. Gazizov, V. A. Kharlamov, and A. N. Pudovik .. 2295 2339
New Method for the Preparation of Dialkyl Dialkylphosphoramidates — E. S. Gubnitskaya, Z. T. Semashko, and T. M. Ivanyuk 2296 2340
Preparation of Sulfoxonium Ylides Stabilized by an N-(Arylsulfonyl)phosphinimidyl Group — V. P. Lysenko, I. E. Boldeskul, R. A. Loktionova, and Yu. G. Gololobov .. 2297 2341
Prototropic Isomerization of Aminophosphonium Ylides into Phosphine Imide Derivatives — L. A. Repina, R. A. Loktionova, and Yu. G. Gololobov 2298 2341
Formation of 2,2-Dihydro-1,2-oxaphosphol-3-enes with a 5-Coordinate Phosphorus Atom in the Cyclohalogenation of 1,2-Alkadienylphosphonic Dichlorides — V. M. Ignat'ev, Kh. M. Angelov, B. I. Ionin, and A. A. Petrov 2299 2342
Reaction of Alkyl Tetraalkylphosphorodiamidites with N-(2-Hydroxyethyl)acetamide — L. I. Mizrakh and L. Yu. Polonskaya 2301 2343
Alkyl- and Aryl-phosphonothioic Anhydrides — O. N. Grishina, N. A. Andreev, and E. E. Sidorova 2302 2344
Epoxidation of Bis-2-chloroethyl Vinylphosphonate — G. F. Andreev, V. N. Alekseev, and A. P. Rakov 2303 2345
Reaction of Triethyl Phosphite with Acrolein Diethylhydrazone — M. P. Osipova and V. A. Kukhtin 2304 2345
Bifunctional Bis(perfluoroalkylphosphazo) Compounds — E. I. Sokolov, V. N. Sharov, A. L. Klebanskii, V. V. Korol'ko, and V. N. Prons 2305 2346
Autocatalysis of the Thermal Decomposition of Heteroorganic Peroxides — Yu. A. Aleksandrov, A. N. Bryukhanov, V. P. Maslennikov, and I. V. Spirina ... 2306 2347
Reactions of (Alkoxyethynyl)silanes with Carbonyl Compounds — I. A. Savost'yanova, M. S. Burmistrova, and Yu. I. Baukov 2308 2348
Synthesis and Some Chemical Transformations of 2,5-Di-2-thienyl-3-hexyne-2,5-diol — I. M. Gverdtsiteli and M. D. Chanturiya 2309 2349
Reactions of 3-(Triethoxysilyl)propylamine with Carboxylic Acid Chlorides — A. Baigozhin, I. V. Belova, and L. N. Arkad'eva 2310 2350
Preparation of Diesters of Hemin by the Catalytic Transesterification of Its Bis-p-nitrophenyl Ester — M. A. Azhigirova, A. M. Ovsepyan, and A. A. Khachatur'yan .. 2311 2350
Homo- and Hetero-tripeptides with Nucleic Bases in the Side Chains — Yu. P. Shvachkin and E. N. Olsuf'eva 2312 2351
Reduction of Methyl 18-Dehydroglycyrrhetinate Acetate with Zinc Dust — Khya Ok Kim, R. Kh. Gayanov, M. I. Goryaev, and M. P. Irismetov 2313 2352
Radical–Luminol Chemiluminescence — A. S. Klimentov and V. Ya. Sigaev 2314 2353

Volume 45, Number 11, Part 1 November, 1975

Relations between the Stagewise Instability Constants of Complex Compounds — É. A. Polyak 2315 2357

Catalytic Currents of Hydrogen in Solutions of Complex Compounds of Some Transition Metals with 8-Quinolinethiol – G. K. Budnikov, É. P. Medyantseva, V. P. Frolova, and V. F. Toropova 2319 2361
Addition of Phosphorus Trichloride to Gaseous Olefins – P. A. Zagorets, A. G. Shostenko, and A. M. Dodonov 2322 2365
(Alkylimino)bis[diiodophosphines] – Zh. K. Gorbatenko, I. T. Rozhdestvenskaya, and N. G. Feshchenko 2325 2367
1-Alkenylphosphonous Dichlorides and Some of Their Properties – V. V. Kormachev, L. V. Krylov, and V. A. Kukhtin 2327 2369
Reactions of Tris-2-chloroethyl Phosphite with Acid Chlorides – O. E. Nasakin, V. V. Kormachev, and V. A. Kukhtin 2332 2374
Dipole Moments of Some Phosphorus-Containing Isocyanates – Yu. Ya. Borovikov, Yu. P. Egorov, V. A. Shokol, and L. I. Molyavko 2335 2377
Reactions of Bis(2-hydroxyethyl)- and Bis(2-hydroxypropyl)-alkylphosphines and Their Oxides with Isocyanates – R. K. Valetdinov and Sh. I. Zaripov 2339 2380
Isomerization of 1-Alkoxyvinyl Dialkyl Phosphites into (Dialkoxyphosphino)acetic Esters – Z. S. Novikova, S. N. Zdorova, S. Ya. Skorobogatova, and I. F. Lutsenko 2343 2384
Preparation and Properties of Diphenyl (α-Chlorophenacyl)phosphoramidate – B. S. Drach, I. Yu. Dolgushina, and A. D. Sinitsa 2346 2387
Aminomethylation of a Di-2-propynyl α-Hydroxy Phosphonate of the Tetrahydropyran Series – I. N. Azerbaev, Yu. G. Bosyakov, and S. D. Dzhailauov 2349 2391
Reactions of N,N-Dichloro Amines with Phosphites and Phosphorochloridites – A. M. Pinchuk, V. A. Kovenya, and M. I. Povolotskii 2352 2394
Sulfur-Containing Derivatives of N,N',N"-Triethyl-phosphoric and -phosphorothioic Triamides – Ya. L. Kostyukovskii, N. M. Slavachevskaya, and G. K. Semenova .. 2355 2396
^{35}Cl NQR Spectra of Complexes of Tin Tetrachloride with Organophosphorus Compounds – I. A. Safin, I. Ya. Kuramshin, A. A. Muratova, A. N. Pudovik, and V. P. Plekhov 2359 2400
Reactions of Dialkyl Hydrogen Phosphites with Epoxy Phosphonates – A. N. Pudovik, M. G. Zimin, A. A. Sobanov, and B. Kh. Kamaletdinova 2362 2403
Thermal Transformations of Dialkyl p-Hydroxyaryl Arylphosphorimidates – A. N. Pudovik, É. S. Batyeva, and V. A. Al'fonsov 2366 2407
Alkyl and Aryl Cyanoalkyl Methylphosphonates – V. E. Shishkin, Yu. M. Yukhno, and B. I. No 2369 2411
Synthesis and Properties of Dimers of 2,2-Dihydro-1,3,2-Benzoxazaphosphole Derivatives – N. A. Tikhonina, G. I. Timofeeva, E. I. Matrosov, V. A. Gilyarov, and M. I. Kabachnik 2372 2414
Synthesis and Some Properties of Phosphorous and Phosphonous Compounds Containing Fluoroalkyl Groups – V. N. Prons, M. P. Grinblat, and A. L. Klebanskii 2380 2423
Reactions of Phosphorus Trichloride with (Dialkoxyphosphinyl)sulfenyl Chlorides – N. I. Gusar' and M. P. Chaus 2384 2426
[p-(Chloromethyl)phenyl]phosphonic Dichloride and Some of Its Reactions – K. A. Petrov, V. A. Chauzov, L. P. Chernobrovkina, and N. N. Baranov 2386 2428
Reactions of Organosilathianes with Amines and Their Derivatives – E. P. Lebedev and V. A. Baburina 2389 2431
Reactions of Substituted (Bromophenoxy)trimethylsilanes with Magnesium – G. A. Razuvaev, N. S. Vasileiskaya, and I. L. Khrzhanovskaya 2392 2434
Electronic Spectra of Charge-Transfer Complexes of Organosilicon and Organogermanium Derivatives of Benzene – V. A. Kuznetsov, A. N. Egorochkin, S. E. Skobeleva, G. A. Razuvaev, N. A. Pritula, and G. Ya. Zueva ... 2396 2439
Synthesis of Organocyclosiloxanes with a 2-Siloxanylethyl Group on One Silicon Atom – K. A. Andrianov, A. A. Zhdanov, E. F. Rodionova, and E. G. Vasilenko 2401 2444
Reactions of Alkoxy- and Acyloxy-(chloromethyl)silanes with Tin and with Tin Dichloride – V. F. Mironov, V. I. Shiryaev, É. M. Stepina, V. V. Yankov, and V. P. Kochergin 2404 2448

Synthesis of Polysiloxanes with Terminal Carbofunctional Groups – G. S. Gol'din, T. A. Muzychenko, K. O. Averbakh, N. S. Fedotov, and V. F. Mironov 2407 2451
Hydrolysis of 1,3-Bis(chlorodimethylsilyl)-2,2,4,4-tertramethylcyclodisilazane and 1,3-Bis(aminodimethylsilyl)-2,2,4,4-tetramethylcyclodisilazane – Yu. M. Varezhkin, D. Ya. Zhinkin, M. M. Morgunova, and V. N. Bochkarev . 2410 2455
Relative Basicities of Hexaorganodisiloxanes Containing Aromatic and Unsaturated Substituents – N. I. Shergina, M. Yakubkova, M. G. Voronkov, V. Chvalovsky, O. G. Yarosh, and N. V. Strashnikova 2414 2459
Organosilicon Heterocyclic Compounds. XIX. Organosilicon Derivatives of 9,9-Dichloro-9-silafluorene – E. A. Chernyshev, V. N. Bochkarev, T. L. Krasnova, and V. L. Rogachevskii 2418 2464

Volume 45, Number 11, Part 2 November, 1975

Unsaturated Stanna Hydrocarbons. Application of ^{19}F NMR Spectra in the Investigation of the Electron Structure of Pentafluorophenylethynyl Derivatives of Group IVB Elements – V. S. Zavgorodnii, E. T. Bogoradovskii, V. L. Maksimov, V. B. Lebedev, B. I. Rogozev, and A. A. Petrov 2421 2466
Synthesis and Investigation of "Heptatrienedial Dianils" [N-Aryl-7-(arylimino)-1,3,5-heptatrienylamines] – L. A. Khanina, N. S. Pivnenko, V. Kh. Grif, N. E. Grigor'eva, and V. F. Lavrushin 2426 2471
Basicities and Electron Donor–Acceptor Properties of Aromatic Schiff Bases Derived from Mesidine – A. S. Egorov, V. A. Kogan, V. A. Bren', and O. A. Osipov 2432 2478
Synthesis and Properties of Charge-Transfer Complexes and Autocomplexes. XIII. Possibility of the Photostimulation of a Nucleophilic-Replacement Reaction – Ya. F. Freimanis, A. Ya. Malmanis, Ya. Ya. Dregeris, and D. Ya. Kozlovska 2438 2484
Polarographic Investigation of Equilibrium in the Reaction of Dimethylamine with Formaldehyde – Ya. I. Tur'yan 2441 2487
First Examples of Macrocyclic Metal Chelates Derived from 5,12-Dihydro-1,2,5,8,9,12-hexaazacyclotetradecine – V. M. Dziomko, L. G. Fedosyuk, and K. A. Dunaevskaya 2443 2488
Hydrogen Bonds of Amides. V. Electron-Donor Power of Tertiary Chloroacetamides – I. M. Ginzburg and B. P. Tarasov 2447 2492
Synthesis of N-Hydroxysuccinimide Esters of Acylamino Acids with the Aid of the N-Hydroxysuccinimide Ester of Trifluoroacetic Acid – M. A. Ponomareva-Stepnaya, N. N. Serpkova, and V. N. Nezavibat'ko 2451 2497
Synthetic Investigations in the Chemistry of Polyenic Compounds. XL. Cyclization of 1,1-Diethoxy-3-(ethoxycarbonyl)-3-methyl-2,6-octanedione under the Influence of Hydrogen Chloride and Sodium Ethoxide – L. A. Vakulova, L. N. Fokina, V. V. Mishchenko, T. M. Filippova, B. Zh. Dzhiembaev, A. K. Starostina, I. M. Yakovleva, and G. I. Samokhvalov 2454 2499
Mechanism of Hydride Migrations in the Alkylation of Benzene with Alcohols – V. G. Lipovich, M. F. Polubentseva, V. V. Duganova, G. A. Kalabin, and B. A. Bazhenov 2461 2507
Systems of Thionyl Chloride with Esters. Influence of Acid Residue – R. G. Makitra and M. N. Serednitskaya 2467 2513

Nickel Catalysts on Carriers in the Hydrogenation of Benzaldehyde – D. V. Sokol'skii, N. I. Popov, and L. V. Potemkin. 2470 2516
Skeletal Catalysts in the Hydrogenation of Phenol – D. V. Sokol'skii and N. I. Popov 2474 2520
Synthesis of Some Substituted Aryldialkylarsines and Their Sulfides – A. S. Gel'fond, Yu. G. Galyametdinov, G. M. Ishteryakova, and B. D. Chernokal'skii 2478 2524
Resolution of (o-, m-, and p-Aminophenyl)ethyl-m-tolylarsines into Their Optically Active Isomers – F. D. Yambushev, Yu. F. Gatilov, N. Kh. Tenisheva, and V. I. Savin 2481 2527
Donor Properties of Chromium in (Arene)tricarbonylchromiums – G. K.-I. Magomedov, V. G. Syrkin, A. S. Frenkel', and O. A. Zakharchenko 2484 2530
Mercuration of (Arene)tricarbonylchromiums and (Benzene)dicarbonyl-(triphenylphosphine)chromium – G. K.-I. Magomedov, V. G. Syrkin, A. S. Frenkel', Yu. S. Nekrasov, and T. A. Zavina. 2487 2533
Reduction of γ-Terpinene trans- and cis-Diepoxides with Lithium Tetrahydroaluminate – E. I. Sorochinskaya and S. A. Kozhin. 2491 2537
11-Azasteroids. III. Synthesis of 11-Azaestrogens – Yu. P. Badanova and K. K. Pivnitskii 2499 2546

LETTERS TO THE EDITOR

Reactivity of Hypophosphites. (Anilinoarylmethyl)phosphinic Salts – V. I. Yudelevich, L. B. Sokolov, B. I. Ionin, and L. G. Myasnikova 2506 2554
Synthesis and Properties of 5,6-Dihydro-2H-1,3,2-oxazaphosphorine 2-Oxides – V. E. Shishkin, Yu. M. Yukhno, B. I. No, and Yu. D. Glinskii. 2507 2554
Arylation of Triarylphosphines with 1-Chloro-2,4-dinitrobenzene – B. V. Timokhin, L. V. Mironova, and V. I. Glukhikh 2508 2555
Phosphorylation of Methyl Trifluoromethyl Sulfone – O. I. Kolodyazhnyi and V. P. Kukhar' 2509 2556
Adduct of Azidobenzene with Dimethyl Trimethylsilyl Phosphite – R. D. Gareev 2511 2557
Reactions of Phosphinous Acids with α-Keto Carbonitriles – T. M. Sudakova, É. Kh. Ofitserova, and A. N. Pudovik 2512 2558
Reactions of Ethyl Phosphorodiisocyanatidite with Carbonyl Compounds – I. V. Konovalova, L. A. Burnaeva, and A. N. Pudovik. 2513 2558
Reactions of 2-Alkyl-1,3,2-benzodioxaphospholes and 2-Alkyl-2,3-dihydro-1,3,2-benzoxazaphospholes with Phenol and Its Substitution Products – S. A. Terent'eva, M. A. Pudovik, A. N. Pudovik, and Kh. É. Kharlampidi 2515 2559
Reactions of Bis(dialkoxyphosphino)acetic Esters with Alkyl Halides – Z. S. Novikova, S. Ya. Skorobogatova, and I. F. Lutsenko 2516 2560
Reaction of Thiophosphoryl Chloride with Chlorocyclohexylmagnesium – B. V. Timokhin, N. A. Sukhorukova, E. F. Grechkin, and V. I. Glukhikh . . . 2517 2561
[Bis(alkoxycarbonyl)methylene]phosphinophosphoranes: Ylides Containing a P–P Bond – O. I. Kolodyazhnyi 2518 2561
New Method for the Synthesis of Bisacyloxydiaryltelluriums – I. D. Sadekov, A. A. Maksimenko, A. I. Usachev, and V. I. Minkin 2520 2562
Synthesis of Stable Telluronium Ylides – I. D. Sadekov, A. I. Usachev, A. A. Maksimenko, and V. I. Minkin 2521 2563
Transstannylation Reactions in Stannylacetylene Series – E. T. Bogoradovskii, V. S. Zavgorodnii, and A. A. Petrov. 2523 2564
Reactions of 1,1,3,3-Tetrabutyl-1,3-bis(tert-butyldioxy)distannoxane with Carboxylic Acid Anhydrides – V. A. Dodonov, V. V. Chesnokov, A. I. Drégich', and N. P. Makarenko 2524 2565
Synthesis of Spiro Aminohydrazino- and Dihydrazino-cyclotriphosphazenes – G. S. Gol'din, L. S. Baturina, A. N. Novikova, and S. G. Fedorov 2525 2566

Reaction of Diethyl Trimethylsilyl Phosphite with Diethyl (Trichloroacetyl)-phosphonate – I. V. Konovalova, L. A. Burnaeva, and A. N. Pudovik 2527 2567
Four-Center Rearrangement of Alkanoylsilylamides of Phosphorus(III) Acids – M. A. Pudovik, L. K. Kibardina, T. A. Pestova, M. D. Medvedeva, and A. N. Pudovik 2528 2568
Hydrosilylation of Cyclopentadiene with Phenylsilane – V. P. Yur'ev, I. M. Salimgareeva, O. Zh. Zhebarov, and G. A. Tolstikov..... 2529 2568
Vinylation of N-Ethylaniline, Acetotoluidide, and Benzanilide – B. A. Trofimov, E. P. Vyalykh, S. E. Korostova, L. N. Balabanova, and S. F. Malysheva..... 2530 2569
Synthesis of O-Aryl Hydrogen (2-Alkoxyvinyl)phosphonodithioates – N. A. Mametova, R. I. Kozhakhmetova, A. S. Sulaimanov, K. D. Dzhundubaev, and T. N. Sadykov..... 2531 2570
Reactions of Alkyl and Aryl Phosphorodichloridates with Benzohydrazide – A. F. Grapov, O. B. Mikhailova, and N. N. Mel'nikov..... 2532 2570
Application of Affinity Chromatography for the Separation of Hemin and Its Water-Soluble Amino-Acid Derivatives – A. A. Khachatur'yan, M. A. Azhigirova, and G. Ya. Rozenberg 2533 2571
New Synthesis of 17-Spirofuran Derivatives of the Androstane Series – A. A. Akhrem, F. A. Lakhvich, and V. A. Khripach 2534 2572

Volume 45, Number 12, Part 1 December, 1975

State of Nickel Ions on the Surface and in the Body of the $NiO-Al_2O_3$ System according to Data of Electronic and ESR Spectroscopy – V. N. Vorob'ev, T. É. Nurseitova, A. E. Martirosov, and G. Sh. Talipov 2537 2573
Surface Compounds Formed in the System NiO–Silica Gel – V. N. Vorob'ev, T. É. Nurseitova, A. E. Martirosov, and G. Sh. Talipov 2542 2578
Complex Formation of Copper(I) with N,N'-Bis(alkoxymethyl)thioureas – V. M. Ledovskikh, V. A. Molodtsova, and O. I. Khotsyanovskii 2545 2582
Binary Systems of N,N-Dimethylmethanesulfonamide with Chloroform, Carbon Tetrachloride, and Aromatic Hydrocarbons – A. Yas'kovyak, Ya. M. Tsikanchuk, and R. G. Makitra 2548 2585
Interaction of Dihydric Phenols with Acetic and Chloroacetic Acids in the Solid Phase – I. M. Bokhovkin, B. K. Semenov, and M. G. Vitman 2553 2591
Liquid–Liquid Equilibria in the Systems Phenol–Water–Amides and Phenol–Octane–Amides – V. F. Sergeeva, A. A. Krupnikova, and S. I. Kapylova 2557 2594
Hydration of Salts and Acids in Saturated $KCl-HCl-H_2O$ and $KNO_3-HNO_3-H_2O$ Solutions – E. I. Akhumov 2560 2597
Nature of the Hydrogen Bond in Complexes of Trialkylphosphine Oxides with Various Proton Donors – Yu. Ya. Borovikov, Yu. P. Egorov, and A. A. Matei 2563 2600
Hydrogen Bonds of Phenol and tert-Butyl Alcohol with Phosphonic Esters – V. E. Bel'skii, R. F. Bakeeva, L. A. Kudryavtseva, A. M. Kurguzova, and B. E. Ivanov 2568 2606
Preparation of Isoxazoles by the Reaction of β-Oxo Phosphoranes with α-Oxo Hydroximoyl Chlorides – M. I. Shevchuk, S. T. Shpak, and A. V. Dombrovskii ... 2571 2609
Phosphorus-Containing Intermediate Products and Dyes. II. Some Azo Dyes Derived from Tertiary Phosphine Oxides and Dimethylphosphinic Esters – V. V. Kormachev, S. N. Chalykh, É. A. Chalykh, A. A. Sazanova, and V. A. Kukhtin 2575 2614
Reactions of Phosphorus Triamides with Maleimides – A. N. Pudovik, É. S. Batyeva, Yu. N. Girfanova, and V. Z. Kondranina 2579 2618

Reactions of Acyl Dialkyl Phosphites and Diethyl Phenyl Phosphite with Alcohols and Amines – A. N. Pudovik, V. E. Bel'skii, T. Kh. Gazizov, A. P. Pashinkin, and M. V. Efremova 2582 2621
Syntheses of Phosphinates from (2-Chlorocyclohexyl)phosphonous Dichloride, and the Mechanisms of Reactions of α-Epoxides with Halophosphines – Ya. A. Levin, M. M. Gilyazov, and É. I. Babkina 2586 2625
Organometallic Synthesis of Some New Ethynylmethoxysilanes – M. G. Voronkov, O. G. Yarosh, T. D. Burnashova, V. K. Misyunas, and L. V. Tsvetaeva 2592 2631
Trialkyl[(triorganosilyl)acyloxy]stannanes – M. G. Voronkov, R. G. Mirskov, O. S. Ishchenko, and S. P. Sitnikova 2595 2634
Influence of Solvents on the Rate of the Catalytic Hydrosilylation of 1-Hexyne with Triethylsilane – V. B. Pukhnarevich, L. I. Kopylova, B. A. Trofimov, and M. G. Voronkov 2600 2638
Synthesis of Alkoxyorganocyclosilathianes – E. P. Lebedev, D. V. Fridland, and V. O. Reikhsfel'd 2603 2641
Coalcoholysis of Organosilazanes and Organocyclosiloxazanes with Chloroorganosilanes and Chloroorganosiloxanes – E. P. Lebedev, A. D. Fedorov, V. O. Reikhsfel'd, and L. Z. Zakorova 2606 2645
Synthesis and Properties of Alkoxypentamethylcyclotrisiloxanes – T. N. Baratova, V. P. Mileshkevich, A. V. Karlin, V. A. Shevtsova, and I. A. Zevakin 2611 2650
Synthesis of (Acetoxymethyl)alkoxydimethylsilanes – K. A. Andrianov, A. K. Dabagova, and D. V. Ktoyan 2614 2652
Synthesis of Tricyclic Siloxanes Containing Methyl, Vinyl, and Phenyl Groups – K. A. Andrianov, I. Yu. Klement'ev, B. D. Lavrukhin, and V. S. Tikhonov 2619 2658

Volume 45, Number 12, Part 2 December, 1975

Synthesis of Organosilicon Derivatives of 1,3,4-Oxadiazoles and 1,3,4-Thiadiazoles – G. S. Gol'din, M. V. Maksakova, V. G. Poddubnyi, and A. N. Kol'tsova 2623 2661
Reactions of Organosilicon Imidic Esters with Nitrogen-Containing Compounds – G. S. Gol'din, V. G. Poddubnyi, and A. A. Simonova 2627 2665
Epoxy- and Cyano-Containing Organosilicon Dienes – R. A. Sultanov, M. I. Radzhabov, M. Sh. Sultanova, Sh. A. Tarverdiev, and G. K. Bairamov 2631 2669
Synthesis and Properties of 1-Oxa-2,4,6-trisilacyclohexanes – A. A. Buyakov, T. K. Gar, E. M. Berliner, and V. F. Mironov 2634 2672
Reactions of Mixtures of GeX_2 and GeX_4 with Unsaturated Compounds – E. M. Berliner, T. K. Gar, and V. F. Mironov 2637 2674
Reactions of Organosilanes with Carbenes. II. Activities of Mono-, Di-, and Triorganosilanes in Reactions with (Ethoxycarbonyl)carbene – L. P. Danilkina, O. V. Dorokhova, and Ya. M. Slobodin 2640 2677
Preparation of Heteroorganic (Si, Ge, Sn) Aminoacetylenes – S. V. Ponomarev, O. A. Zakharova, S. A. Lebedev, and I. F. Lutsenko 2644 2680
Reactions of Organic Azides with Hexabutyldistannane – Yu. I. Dergunov and N. I. Mysin 2648 2684
Coordination Compounds of Sn(IV) with N,N'-Diacyldicarboxamides – T. N. Sumarokova, R. A. Slavinskaya, and T. A. Tember 2651 2687
Decomposition of (Decanoyldioxy)diethylthallium and Bis(decanoyldioxy)diphenylstannane in Benzene – A. N. Bryukhanov, V. D. Mal'kov, V. P. Maslennikov, and Yu. A. Aleksandrov 2655 2692
Synthesis of Bifunctional 1-Silyl-7-disiloxanyl-m-carbaboranes – V. V. Korol'ko, G. A. Ivanova, and E. G. Kagan 2658 2696

Catalytic Influence of Complex Compounds of Platinum Metals on the Conversion of Allyl Alcohol into Diallyl Ether – Yu. N. Kukushkin, I. V. Pakhomova, E. N. Kalyukova, and Yu. N. Martynov 2663 2701
Hydrogen Bonds of Amides. VI. Infrared Spectra and Conformations of Secondary Malonamides and Their Thio Analogs – I. M. Ginzburg, L. B. Dashkevich, P. V. Kuznetsov, and B. P. Tarasov 2666 2705
Electronic Spectra of Aromatic Sulfonic Acids and Their Derivatives – G. T. Khachaturova, R. N. Nurmukhametov, M. A. Knizhnikova, and A. A. Kut'enkov 2669 2708
Mechanism and Kinetics of the cis-trans Photoisomerization of Chalcone – V. G. Mitina, B. A. Zadorozhnyi, and V. F. Lavrushin 2674 2713
Ultraviolet and Infrared Spectra and Dipole Moments of Derivatives of 1,5-Diphenyl-2,4-pentadien-1-one – V. F. Lavrushin, V. M. Verkhovod, F. G. Yaremenko, and N. N. Verkhovod 2680 2720
Influence of Solvents on the Electronic Spectra of Benzene Derivatives. II. Intermolecular Interaction with Formation of Hydrogen Bonds – A. E. Lutskii and V. V. Bocharova 2684 2724
Influence of Solvents on the Electronic Spectra of Benzene Derivatives. III. Compounds Differing in the Length of the Conjugated Chain – A. E. Lutskii, V. V. Bocharova, and Z. I. Kanevskaya 2691 2731
Kinetics and Mechanism of Fischer – Hepp Rearrangement. I. Study of Separate Stages of Rearrangement – L. P. Kempel', I. I. Naumova, Yu. A. Strepikheev, and V. I. Zhun' .. 2695 2734
Kinetics and Mechanism of the Reactions of 1,3-Dioxacycloalkanes with Dioxane Dibromide – D. L. Rakhmankulov, V. S. Martem'yanov, S. S. Zlot-skii, Z. L. Ayupova, and T. S. Artamonova 2700 2739
Transformation of Norbornene over Metathesis Catalysts – V. P. Yur'ev, G. A. Gailyunas, G. A. Tolstikov, V. I. Khvostenko, and E. G. Galkin 2702 2741

LETTERS TO THE EDITOR

Interaction of Potassium Fluoride with Acetic Acid – V. Ya. Kazakov and V. G. Kharchuk 2705 2744
Study of Potassium Diperoxomolybdates by the ESR Method – G. L. Smorgonskaya, G. A. Bogdanov, G. L. Petrova, and M. V. Savina 2706 2745
Synthesis of Chloro(cyanoalkyl)silanes – É. M. Movsum-zade, I. A. Shikhiev, and M. G. Mamedov 2707 2746
Reactions of Aromatic Nitrile Oxides with Some Organophosphorus Compounds – A. P. Rakov, V. M. Filippov, and G. F. Andreev 2708 2746
Reactions of D-Gluconohydrazide with Cytidine Derivatives – G. V. Varvanina, N. S. Tolmacheva, and L. N. Nikolenko 2709 2747
Rates of Formation of Quercetin and Morin Complexes of Transition Metals – Yu. A. Makashev, B. P. Sharonov, V. E. Mironov, I. E. Makasheva, and V. V. Blokhin 2711 2748

INDEX

Author Index, Volume 45, Numbers 1-12, 1975 2715
Tables of Contents, Volume 45, Numbers 1-12, 1975 2727